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HEAT RECOVERY SYSTEM

B.M.E.C #80-5-27
12 February 1981

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Due to lack of information from the Applicant
the Commission could not proceed with any
further investigation.

This Applicant has decided to withdraw the
matter, therefore this application is
terminated.

Rulings



Rulings

information on decisions and authorizations may be obtained by writing to the Commission Secretary, 400 University Ave., Toronto M7A 2J9.

COMBINATION VOICE AND FIRE ALARM SYSTEM

B.M.E.C. #80-6-28
12 February 1981

IN THE MATTER OF Section 17(4)(b) of The Building Code
Act, 1974.

AND IN THE MATTER OF an application by: Simplex International Time Equipment Co. Ltd. 6300 Viscount Road, Mississauga, Ontario L4V 1H3 on the subject of the use of a fire alarm system with voice capabilities as listed by U.L.C. File #CS 297-E, Application 78T 23, February 21, 1979, as an alternate to: (a) Fire alarm system and; (b) An emergency voice communication system.

THE COMMISSION HEREBY AUTHORIZES to the Applicant the use of the aforementioned matter subject to the following terms and conditions:

1. Where in the opinion of the COMMISSION negative experience indicates that this authorization should be amended and/or terminated, the COMMISSION may, by written notice to the applicant and/or his agent at the above address, withdraw this authorization and no further installations shall be made subsequent to the effective date of the termination as set out in the written notice.
2. This authorization is not to be used as an endorsement of any product or system for promotional or advertising purposes.
3. This authorization does not in any manner warrant or guarantee the successful performance of the subject matter.
4. This authorization is for the applicant only at the above address and is not transferable, and shall be for the system as installed and maintained in accordance with the manufacturers instructions. Any revision or change in the Applicant or the materials, use, or manufacture of the product or process shall automatically be cause for termination, unless prior approval is granted for revision or change.
5. This authorization is only valid when in conformance with all other applicable governing legislation. Change in any Code provisions shall be grounds for re-evaluation. All applicable aspects of the Ontario Building Code shall be complied with except as authorized herein.
6. This authorization is only prevalent when:
 - (a) such system is listed and certified by Underwriters Laboratories of Canada, and
 - (b) the system is installed in accordance with ULC. - S524-1978 "Standard for the Installation of Fire Alarm Systems and Emergency Voice Communication Systems" together with any subsequent revision or amendment thereto.

www.oriental-arts.com



Rulings

information on decisions and authorizations may be obtained by writing to the Commission Secretary, 400 University Ave., Toronto M7A 2J9.

ELECTRO MAGNETIC LOCKING SYSTEMS FOR EXIT DOORS

B.M.E.C #80-7-29
12 February 1981

IN THE MATTER OF Section 17(4) (b) of The Building Code
Act, 1974.

AND IN THE MATTER OF an application by Security Engineering,
61 East Main Street, Forestville, Connecticut, U.S.A.
06010, AGENT: Rutherford Marketing Service, 25 Water
Street North, Cambridge, Ontario on the subject of
Electromagnetic Door Locking Devices #3900 series as
manufactured by "Security Engineering" for use on Exit
and Access to Exit Doors.

THE COMMISSION HEREBY AUTHORIZES to the Applicant the use of
aforementioned matter subject to the following terms
and conditions:

1. Where in the opinion of the COMMISSION negative
experience indicates that this authorization should
be amended and/or terminated, the COMMISSION may, by
written notice to the applicant and/or his agent at
the above address, withdraw this authorization and
no further installations shall be made subsequent to
the effective date of the termination as set out in
the written notice.
2. This authorization is for the applicant only at
the above address and is not transferable, and shall
be for the system as installed and maintained in
accordance with the manufacturers instructions. Any
revision or change in the Applicant or the materials,
use, or manufacture of the product or process shall
automatically be cause for termination, unless prior
approval is granted for revision or change.
3. This authorization does not in any manner warrant
or guarantee the successful performance of the subject
matter, and is not to be used as an endorsement of any
product or system for promotional or advertising
purposes.
4. This authorization is only valid when in conformance
with all other applicable governing legislation.
Change in any Code provisions shall be grounds for
re-evaluation. All applicable requirements of the
Ontario Building Code shall be complied with, except
as authorized herein.
5. This authorization is not applicable to a Group F
Division 1 occupancy.
6. This authorization shall be used only within those
buildings for which all Electro-Magnetic Locking Devices
and components can be operated by the building fire

alarm system and shall have a continually monitored central control unit, which is manned by "supervisory staff" (see para. 8(c)) at all times the building is occupied. Provision shall be made such that all these devices can be de-energized simultaneously at this central control unit.

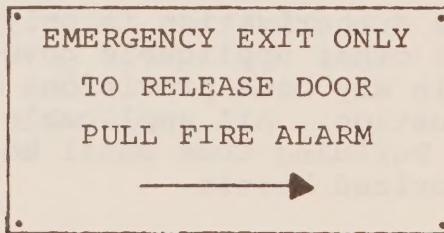
7. The complete system of Electro-Magnetic Locking Device's shall conform to the National Fire Code of Canada 1980, Section 6.3.

8. All Electro-Magnetic Locking Devices shall be de-energized immediately allowing the doors to be opened upon,

- (a) the actuation of the fire alarm system, or
- (b) the actuation of an automatic fire detection or extinguishing system if one is present, or
- (c) the manual interruption of the electro-magnetic circuit, by "supervisory staff" as defined in the National Fire Code of Canada 1980, or
- (d) the loss of electrical power controlling the locking device or any fault in the installation.

9. A fire alarm system manual pull station shall be located on the wall at the latch side of the door and within 2 ft. of each door or group of doors allowing free egress and which is equipped with these devices.

10. A non-combustible sign with white letters on red background or red letters on white background, with 2 in. high and $\frac{1}{2}$ in. stroke lettering, and securely fastened at each corner be mounted and maintained at all times on each door equipped with these devices. Such signs shall be mounted at 4 ft. 6 in. from finished floor to the bottom of such sign and shall state:



and an arrow shall point in the direction of the fire alarm.

11. Illumination to an average level of at least 10 ft. candles shall be provided by emergency electrical power supply for the central control unit in para 6, and each pull station in para 9, and each sign in para 10.



Rulings

Information on decisions and authorizations may be obtained by writing to the Commission Secretary, 400 University Ave., Toronto M7A 2J9.

SILL PLATE GASKET

B.M.E.C #80-8-30
12 February 1981

IN THE MATTER OF Section 17(4) (b) of The Building Code Act, 1974.

AND IN THE MATTER OF an application by Dow Chemical of Canada, Modeland Road, P.O. Box 1012, Sarnia, Ontario N7T 7K7 on the subject of Dow Sill Plate Gasket (Ethafoam 221) for sealing gaps or air spaces at the junction between building foundation and sill plates. (O.B.C 9.23.7.2.)

THE COMMISSION HEREBY AUTHORIZES to the Applicant the use of the aforementioned matter subject to the following terms and conditions:

1. Where in the opinion of the COMMISSION negative experience indicates that this authorization should be amended and/or terminated, the COMMISSION may, by written notice to the applicant and/or his agent at the above address, withdraw this authorization and no further installations shall be made subsequent to the effective date of the termination as set out in the written notice.
2. This authorization is not to be used as an endorsement of any product or system for promotional or advertising purposes.
3. This authorization does not in any manner warrant or guarantee the successful performance of the subject matter.
4. This authorization is for the applicant only at the above address and is not transferable, and shall be for the system as installed and maintained in accordance with the manufacturers instructions. Any revision or change in the Applicant or the materials, use, or manufacture of the product or process shall automatically be cause for termination, unless prior approval is granted for revision or change.
5. This authorization is only valid when in conformance with all other applicable governing legislation. Change in any Code provisions shall be grounds for re-evaluation. All applicable aspects of the Ontario Building Code shall be complied with except as authorized herein.
6. Notwithstanding the Ontario Building Code Article 9.23.7.2., the Dow Sill Plate Gasket (Ethafoam 221) may be used in lieu of caulking.

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HEAT RECOVERY SYSTEM

B.M.E.C. #81-1-31
11 June 1981

IN THE MATTER OF Section 17(4) (b) of The Building Code
Act, 1974.

AND IN THE MATTER OF an application by Circul-Aire (Eastern) Inc.,
5885 Henri Bourassa Blvd. West, Montreal, Quebec H4R 1B7
on the subject of kitchen exhaust pollution abatement
and heat reclaim.

THE COMMISSION HEREBY AUTHORIZES to the Applicant the use of the
aforementioned matter subject to the following terms
and conditions:

1. Where in the opinion of the COMMISSION negative
experience indicates that this authorization should be
amended and/or terminated, the COMMISSION may, by
written notice to the applicant and/or his agent at
the above address, withdraw this authorization and no
further installations shall be made subsequent to the
effective date of the termination as set out in the
written notice.

2. This authorization is not to be used as an
endorsement of any product or system for promotional
or advertising purposes.

3. This authorization does not in any manner warrant
or guarantee the successful performance of the subject
matter.

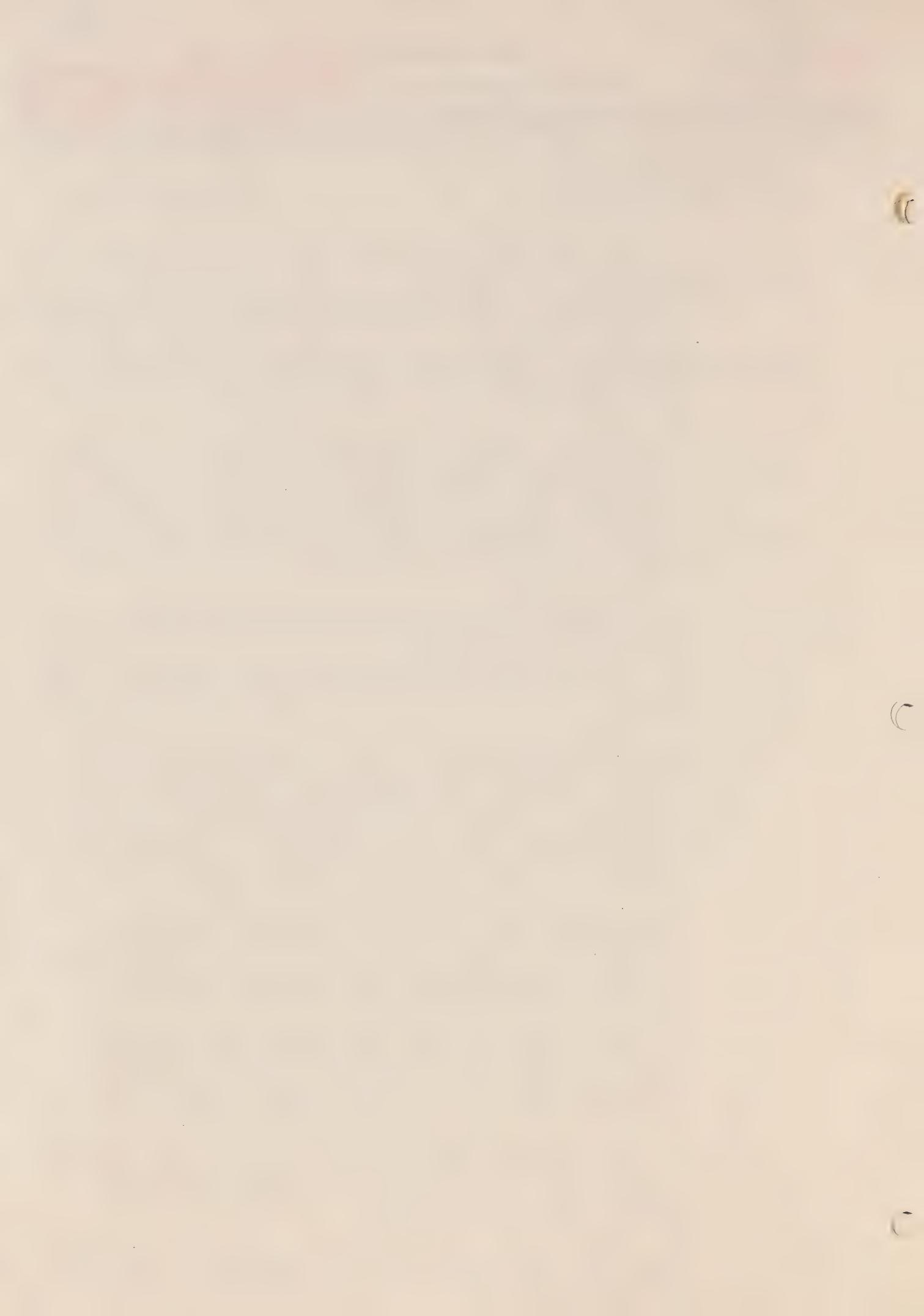
4. This authorization is for the applicant only at
the above address and is not transferable, and shall
be for the system as installed and maintained in
accordance with the manufacturers instructions. Any
revision or change in the Applicant or the materials,
use, or manufacture of the product or process shall
automatically be cause for termination, unless prior
approval is granted for revision or change.

5. This authorization is only valid when in
conformance with all other applicable governing
legislation. Change in any Code provisions shall be
grounds for re-evaluation. All applicable aspects
of the Ontario Building Code shall be complied with
except as authorized herein.

6. The kitchen exhaust duct beyond the fire damper
located on the exhaust side of the Odor Gobbler unit
shall be installed in accordance with the Ontario
Building Code 6.2.4. when it passes directly to
atmosphere and not through any fire separations.

7. The tempered supply return air duct system beyond
the fire damper separating the supply and exhaust
systems shall be installed in accordance with the
Ontario Building Code 6.2.4.

8. Installation and maintenance shall comply with the
published literature, data and drawings as submitted
by Circul-Aire and outlined in their letter dated
16 April 1981.





Rulings

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ELECTRO MAGNETIC LOCKING SYSTEMS FOR EXIT DOORS

B.M.E.C. #81-2-32
11 June 1981

IN THE MATTER OF Section 17(4)(b) of The Building Code
Act, 1974

AND IN THE MATTER OF an application by Securistor Ltd., Papineau
9615, Room #1, Montreal, Quebec H2B 1Z6, Agent: C.E.
Warren & Associates, Box 254, Burlington, Ontario on
the subject of Electromagnetic Door Locking Devices
#EM 501 as manufactured by "Securistor Ltd.", for use
on Exit and Access to Exit Doors.

THE COMMISSION HEREBY AUTHORIZES to the Applicant the use of
aforementioned matter subject to the following terms
and conditions:

1. Where in the opinion of the COMMISSION negative
experience indicates that this authorization should
be amended and/or terminated, the COMMISSION may, by
written notice to the applicant and/or his agent at
the above address, withdraw this authorization and no
further installations shall be made subsequent to the
effective date of the termination as set out in the
written notice.
2. This authorization is for the applicant only at the
above address and is not transferable, and shall be for
the system as installed and maintained in accordance
with the manufacturer's instructions. Any revision or
change in the Applicant or the materials, use, or
manufacture of the product or process shall automatically
be cause for termination, unless prior approval is
granted for revision or change.
3. This authorization does not in any manner warrant
or guarantee the successful performance of the subject
matter, and is not to be used as an endorsement of any
product or system for promotional or advertising
purposes.
4. This authorization is only valid when in conformance
with all other applicable governing legislation. Change
in any Code provisions shall be grounds for re-evaluation.
All applicable requirements of the Ontario Building Code
shall be complied with, except as authorized herein.
5. This authorization is not applicable to a Group F
Division 1 occupancy.
6. This authorization shall be used only within those
buildings for which all Electromagnetic Locking Devices
and components can be operated by the building fire alarm
system and shall have a continually monitored central
control unit, which is manned by "supervisory staff"
(see para. 8(c)) at all times the building is occupied.
Provision shall be made such that all these devices can
be de-energized simultaneously at this central control
unit.

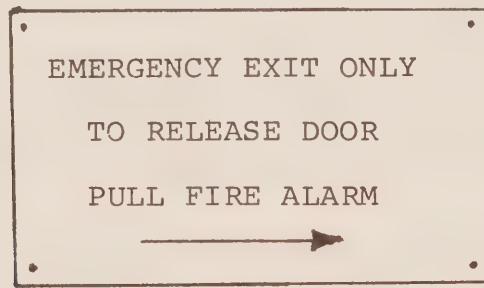
7. The complete system of Electromagnetic Locking Devices shall conform to the National Fire Code of Canada 1980, Section 6.3.

8. All Electromagnetic Locking Devices shall be de-energized immediately allowing the doors to be opened once,

- (a) the actuation of the fire alarm system, or
- (b) the actuation of an automatic fire detection or extinguishing system if one is present, or
- (c) the manual interruption of the electromagnetic circuit, by "supervisory staff" as defined in the National Fire Code of Canada 1980, or
- (d) the loss of electrical power controlling the locking device or any fault in the installation.

9. A fire alarm system manual pull station shall be located on the wall at the latch side of the door and within 2 ft. of each door or group of doors allowing free egress and which is equipped with these devices.

10. A non-combustible sign with white letters on red background or red letters on white background, with 2 in. high and $\frac{1}{2}$ in. stroke lettering, and securely fastened at each corner be mounted and maintained at all times on each door equipped with these devices. Such signs shall be mounted at 4 ft. 6 in. from finished floor to the bottom of such sign and shall state:



and an arrow shall point in the direction of the fire alarm.

11. Illumination to an average level of at least 10 ft. candles shall be provided by emergency electrical power supply for the central control unit in para. 6, and each pull station in para. 9, and each sign in para. 10.



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OUTSULATION
EXTERIOR INSULATION AND FINISH

B.M.E.C. #81-3-33
11 February, 1982

IN THE MATTER OF SECTION 18(4) (b) of the Building Code Act,
R.S.O. 1980

AND IN THE MATTER OF an application by:

Double A/D Distributors Ltd
420 Tapscott Road, Unit #5
Scarborough, Ontario
M1P 1Y4

ON THE SUBJECT OF:

Outsulation TM, Exterior Wall Insulation
and Finish Systems

INFORMATION AND PRESENT POSITION:

This application has been examined by the Building Materials Evaluation Commission and its findings on the submission by the applicant are that the subject matter is not prohibited under the present Ontario Building Code Regulation 925/75 as amended to-date for combustible construction, however, certain installations may not be made where noncombustible construction is required by the above Regulation.

MOVED AND ADOPTED THIS 11 DAY OF February, 1982
by the BUILDING MATERIALS EVALUATION COMMISSION.



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CANCELLATION OF APPLICATION

B.M.E.C. #81-4-34
10 June, 1982

IN THE MATTER OF Section 18 (4) (b) of the Building Code Act,
R.S.O. 1980.

AND IN THE MATTER OF Application by:

Superior Nu-Blok Corporation
7 Raleigh Avenue
Scarborough, Ontario
M1K 1A2

ON THE SUBJECT OF:

Insulated Nu-Blok for use in the
Construction industry

SHALL BE CANCELLED AS FOLLOWS:

The subcommittee has investigated the matter and the Commission has requested additional information and tests in their letter of 14 September, 1981. No additional information has been received by the Commission to-date, therefore we cannot proceed with any further investigation.

REASONS:

Policy/procedure of the Commission is to terminate applications that have been in a "HOLD" position, such as waiting on additional information from an Applicant for a period of six months. Also a covering letter attached herewith has been sent to the applicant by registered mail.

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CANCELLATION OF APPLICATION

B.M.E.C. #81-5-35
22 June, 1982

IN THE MATTER OF Section 18 (4) (b) of the Building Code Act,
R.S.O. 1980

AND IN THE MATTER OF Application by:

Canada Thermofilm Limited
8241 Keele Street,
P.O. Box 720
Concord, Ontario
L4K 1C7

ON THE SUBJECT OF:

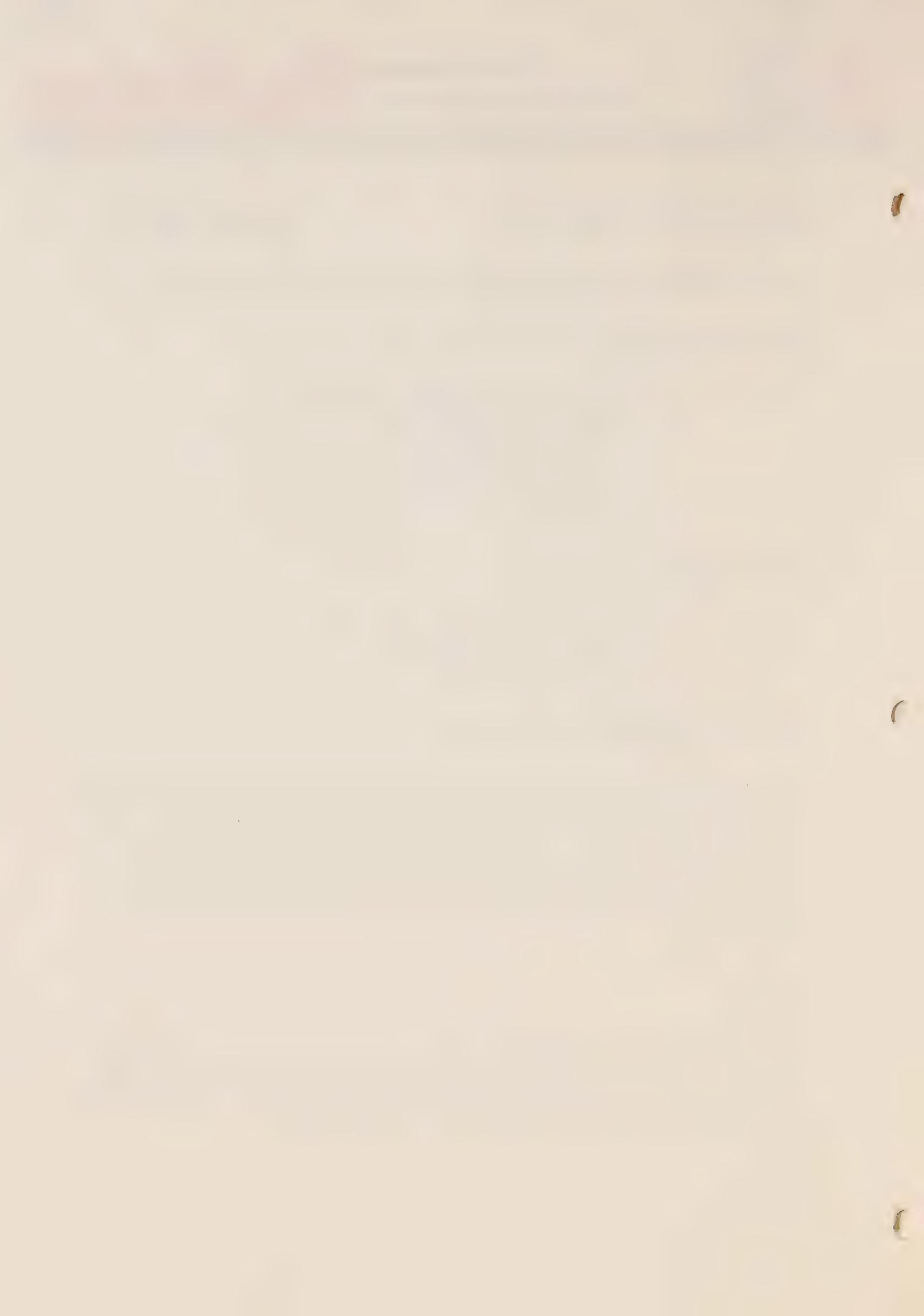
Flex Heat Radiant
Heating Panels

SHALL BE CANCELLED AS FOLLOWS:

The subcommittee has investigated the matter and the Commission has requested additional information and tests in their letter of 2 October, 1981. Information has been received by the Commission to indicate that a change in specifications and a considerable length of time will be involved before tests can be completed.

REASONS:

The Applicant has withdrawn (18 June, 1982) this application in view of a new specification being drawn up for this product and formulation of new tests can be directed.





Rulings

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FIREPLACE INSERT/LINER

B.M.E.C. #81-6-36
10 September, 1981

IN THE MATTER OF Section 17(4)(b) of The Building Code
Act, 1974.

AND IN THE MATTER OF an application by: Jetmaster (Pty) Ltd.,
Johannesburg South Africa, Agent Jetmaster Canada Inc.,
36 Crimson Millway, Willowdale, Ontario. M2L 1T6

ON THE SUBJECT OF: Jetmaster New Universal metal fireplace
insert/liner for installation masonry fireplaces as wood
and coal burning units, Models 850, 700D, 600 and 500.

THE COMMISSION HEREBY AUTHORIZES to the Applicant the use of the
aforementioned matter subject to the following terms and
conditions:

1. Where in the opinion of the COMMISSION negative
experience indicates that this authorization should be
amended and/or terminated, the COMMISSION may, by written
notice to the applicant and/or his agent at the above
address, withdraw this authorization and no further instal-
lations shall be made subsequent to the effective date of
the termination as set out in the written notice.
2. This authorization is not to be used as an endorsement
of any product or system for promotional or advertising
purposes.
3. This authorization does not in the manner warrant or
guarantee the successful performance of the subject matter.
4. This authorization is for the applicant only at the above
address and is not transferable, and shall be for the system
as installed and maintained in accordance with the manufac-
turer's instructions as submitted with this application. Any
revision or change in the Applicant or the materials, use, or
manufacture of the product or process shall automatically be
cause for termination, unless prior approval is granted for
revision or change.
5. This authorization is only valid when in conformance with
all other applicable governing legislation. Change in any Code
provisions shall be grounds for re-evaluation. All applicable
aspects of the Ontario Building Code shall be complied with
except as authorized herein.
6. This authorization shall conform to Underwriters Laboratories
of Canada Report on "Solid Fuel Fired Fireplace Insert," File
CMH 952 Application No. 80T 356 June 26, 1981, except reference
to National Building Code of Canada shall be read as Ontario
Building Code, Ontario Regulation 925/75 as amended to-date.



Rulings

Information on decisions and authorizations may be obtained by writing to the Commission Secretary, 3300 Bloor St. W., Toronto M8X 2X4

TECTONIC THERMAL INSULATION

B.M.E.C. #81-7-37
September 10, 1981

IN THE MATTER OF Section 17(4) of the Building Code Act, 1974

AND IN THE MATTER OF an application by:

Condecor Products Ltd
Unit #11
247 Armstrong Avenue
Halton Hills, Ontario
L7G 4X6

ON THE SUBJECT OF:

Tectonic Thermal Insulation.

INFORMATION AND PRESENT POSITION:

This application has been examined by the Building Materials Evaluation Commission and its findings on the submission by the applicant is that the subject matter is not prohibited under the present Ontario Building Code Regulation 925/75 as amended to-date for combustible construction, however, certain installations may not be made where noncombustible construction is required by the above Regulation.

MOVED AND ADOPTED THIS 10th Day of September, 1981
by the BUILDING MATERIALS EVALUATION COMMISSION.



Rulings

Information on decisions and authorizations may be obtained by writing to the Commission Secretary, 3300 Bloor St. W., Toronto M8X 2X4

HEAT RECOVERY SYSTEM

B.M.E.C. #81-8-38
11 February, 1982

IN THE MATTER OF Section 18(4)(b) of The Building Code Act,
R.S.O. 1980.

AND IN THE MATTER OF an application by: Garland Commercial Ranges
Limited, 1177 Kamato Road, Mississauga, Ontario. L4W 1X4
ON THE SUBJECT OF: Kitchen Exhaust Heat Reclaim Systems.

THE COMMISSION HEREBY AUTHORIZES to the Applicant the use of
the aforementioned matter subject to the following terms and
conditions:

1. Where in the opinion of the COMMISSION negative experience indicates that this authorization should be amended and/or terminated, the COMMISSION may, by written notice to the applicant and/or his agent at the above address, withdraw this authorization and no further installations shall be made subsequent to the effective date of the termination as set out in the written notice.
2. This authorization is not to be used as an endorsement of any product or system for promotional or advertising purposes.
3. This authorization does not in any manner warrant or guarantee the successful performance of the subject matter.
4. This authorization is for the applicant only at the above address and is not transferable, and shall be for the system as installed and maintained in accordance with the manufacturer's instructions. Any revision or change in the Applicant or the materials, use, or manufacture of the product or process shall automatically be cause for termination, unless prior approval is granted for revision or change.
5. The Kitchen exhaust duct system shall be installed in accordance with the Ontario Building Code in all respects except as authorized herein and shall conform to all other applicable governing legislation and local by-laws.
6. The Kitchen exhaust duct beyond the fire damper located on the exhaust side of the ecology unit may be installed in accordance with the Ontario Building Code 6.2.4. when it passes directly to atmosphere and not through any fire separations.
7. The tempered supply return air duct system beyond the fire damper separating the supply and exhaust systems shall be installed in accordance with the Ontario Building Code 6.2.4.
8. Installation and maintenance shall comply with the published literature dated 1 October 1981 as submitted by the Applicant entitled Specification Sheet for Ecology and Heat Reclaim System for Commercial Kitchen Exhaust including Drawings 1 to 15 inclusive.

Rulings

information on decisions and authorizations may be obtained by writing to the Commission Secretary, 3300 Bloor St. W., Toronto M8X 2X4

KITCHEN EXHAUST HEAT RECLAIM SYSTEMS

B.M.E.C. #82-2-40
13 May, 1982

IN THE MATTER OF Section 18(4)(b) of the Building Code Act,
R.S.O. 1980

AND IN THE MATTER OF an application by: Paterson Aire Systems Limited, 3285 Mainway - Unit 4, Burlington, Ontario. L7M 1A6 on the subject of: Systems 111 Kitchen Exhaust and Heat Reclaim System

THE COMMISSION HEREBY AUTHORIZES to the Applicant the use of the aforementioned matter subject to the following terms and conditions:

1. Where in the opinion of the COMMISSION negative experience indicated that this authorization should be amended and/or terminated, the COMMISSION may, by written notice to the applicant and/or his agent at the above address, withdraw this authorization and no further installations shall be made subsequent to the effective date of the termination as set out in the written notice.
2. This authorization is not to be used as an endorsement of any product or system for promotional or advertising purposes.
3. This authorization does not in any manner warrant or guarantee the successful performance of the subject matter.
4. This authorization is for the applicant only at the above address and is not transferable, and shall be for the system as installed and maintained in accordance with the manufacturer's instructions as submitted with this application. Any revision or change in the Applicant or the materials, use, or manufacture of product or process shall automatically be cause for termination, unless prior approval is granted for revision or change.
5. This authorization is only valid when in conformance with all other applicable governing legislation. Change in any Code provisions shall be grounds for re-evaluation. All applicable aspects of the Ontario Building Code shall be complied with except as authorized herein.
6. The kitchen exhaust duct beyond the fire damper located on the exhaust side of the Systems 111 unit may be installed in accordance with the Ontario Building Code 6.2.4. when it passes directly to atmosphere and not through any fire separations.
7. The tempered supply return air duct system beyond the fire damper separating the supply and exhaust systems shall be installed in accordance with the Ontario Building Code 6.2.4.
8. Installation and maintenance shall comply with the published literature dated 22 April, 1982 as submitted by the Applicant entitled Specification Sheets for Systems 111 and Heat Reclaim System for Commercial Kitchen Exhaust including Drawings 1 to 11 inclusive.
9. Reference to NFPA 96 in the above drawings and specification sheet shall be hereby amended to read NFPA 96-1980.



Rulings

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KITCHEN EXHAUST HEAT RECLAIM SYSTEMS

B.M.E.C. #82-3-41
13 May, 1982

IN THE MATTER OF SECTION 18(4)(b) of the Building Code Act,
R.S.O. 1980.

AND IN THE MATTER OF an application by: K.D.H. Industries Ltd.
168A Oakdale Road, Downsview, Ontario M3N 1W1 on the
subject of Kitchen Heat Reclaim Systems.

THE COMMISSION HEREBY AUTHORIZES to the Applicant the use of the
aforementioned matter subject to the following terms and
conditions:

1. Where in the opinion of the COMMISSION negative
experience indicated that this authorization should be
amended and/or terminated, the COMMISSION may, by written
notice to the applicant and/or his agent at the above
address, withdraw this authorization and no further
installations shall be made subsequent to the effective
date of termination as set out in the written notice.
2. This authorization is not to be used as an endorsement
of any product or system for promotional or advertising
purposes.
3. This authorization does not in any manner warrant or
guarantee the successful performance of the subject matter.
4. This authorization is for the applicant only at the
above address and is not transferable, and shall be for the
system as installed and maintained in accordance with the
manufacturer's instructions as submitted with this appli-
cation. Any revision or change in the Applicant or the
materials, use, or manufacture of the product or process
shall automatically be cause for termination, unless prior
approval is granted for revision or change.
5. This authorization is only valid when in conformance
with all other applicable governing legislation. Change in
any Code provisions shall be grounds for re-evaluation. All
applicable aspects of the Ontario Building Code shall be
complied with except as authorized herein.
6. The tempered supply return air duct system shall be
installed in accordance with the Ontario Building Code 6.2.4.
7. Installation and maintenance shall comply with the
published literature dated 26 April, 1982 as submitted by
the Applicant entitled Specification Sheets for KDH Heat
Reclaim System for Commercial Kitchen Exhaust including
Drawing No. P-4006 dated 26 April, 1982.
8. Reference to NFPA 96 in the above drawings and specifi-
cation sheets shall be hereby amended to read NFPA 96-1980.



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CLADDING EXTERIOR AND INTERIOR

B.M.E.C. #82-4-42
July 8, 1982

IN THE MATTER OF Section 18(4)(b) of the Building Code Act,
R.S.O. 1980.

AND IN THE MATTER OF an application: Consolidated Aluminum
11960 Westline Industrial Drive, St. Louis, Missouri
63141, on the subject of: Alucobond Exterior/Interior
Cladding.

THE COMMISSION HEREBY AUTHORIZES to the Applicant the use of the
aforementioned matter subject to the following terms
and conditions:

1. Where in the opinion of the COMMISSION negative experience indicated that this authorization should be amended and/or terminated, the COMMISSION may, by written notice to the applicant and/or his agent at the above address, withdraw this authorization and no further installations shall be made subsequent to the effective date of the termination as set out in the written notice.
2. This authorization is not to be used as an endorsement of any product or system for promotional or advertising purposes.
3. This authorization does not in any manner warrant or guarantee the successful performance of the subject matter.
4. This authorization is for the applicant only at the above address and is not transferable, and shall be for the system as installed and maintained in accordance with the manufacturer's instructions and designs as submitted with this application. Any revision or change in the Applicant or the materials, used, or manufacture of the product or process shall automatically be cause for termination, unless prior approval is granted for revision or change.
5. This authorization is only valid when in conformance with all other applicable governing legislations. Change in any Code provisions shall be grounds for re-evaluation. All applicable aspects of the Ontario Building Code shall be complied with except as authorized herein.
6. That the outer skin be attached to a structural element with methods and structural integrity conforming with the Ontario Building Code, no adhesives may be used.



Rulings

information on decisions and authorizations may be obtained by writing to the Commission Secretary, 3300 Bloor St. W., Toronto M8X 2X4

KITCHEN EXHAUST HEAT RECLAIM SYSTEMS

B.M.E.C. #82-5-43
13 May, 1982

IN THE MATTER OF Section 18(4)(b) of the Building Code Act,
R.S.O. 1980.

AND IN THE MATTER OF an application by: Longhill Combustion Products Limited, 95 Newkirk Road South, Richmond Hill, Ontario L4C 2C6 on the subject of: Kitchen Exhaust Heat Reclaim Systems.

THE COMMISSION HEREBY AUTHORIZES to the Applicant the use of the aforementioned matter subject to the following terms and conditions:

1. Where in the opinion of the COMMISSION negative experience indicated that this authorization should be amended and/or terminated, the COMMISSION may, by written notice to the applicant and/or his agent at the above address, withdraw this authorization and no further installations shall be made subsequent to the effective date of the termination as set out in the written notice.
2. This authorization is not to be used as an endorsement of any product or system for promotional or advertising purposes.
3. This authorization does not in any manner warrant or guarantee the successfull performance of the subject matter.
4. This authorization is for the applicant only at the above address and is not transferable, and shall be for the system as installed and maintained in accordance with the manufacturers instructions as submitted with this application. Any revision or change in the Applicant or the materials, use, or manufacture of the product or process shall automatically be cause for termination, unless prior approval is granted for revision or change.
5. This authorization is only valid when in conformance with all other applicable governing legislation. Change in any Code provision shall be grounds for re-evaluation. All applicable aspects of the Ontario Building Code shall be complied with except as authorized herein.
6. The kitchen exhaust duct beyond the fire damper located on the exhaust side of the ecology unit may be installed in accordance with the Ontario Building Code 6.2.4. when it passes directly to atmosphere and not through any fire separations.
7. The tempered supply return air duct system beyond the fire damper separating the supply and exhaust systems shall be installed in accordance with the Ontario Building Code 6.2.4.
8. Installation and maintenance shall comply with the published literature dated 12 April, 1982 as submitted by the Applicant entitled Specification Sheets for Ecology and Heat Reclaim System for Commercial Kitchen Exhaust including Drawings 1 to 21 inclusive.
9. Reference to NFPA 96 in the above drawings and specification sheet shall be hereby amended to read NFPA 96-1980.



Rulings

information on decisions and authorizations may be obtained by writing to the Commission Secretary, 3300 Bloor St. W., Toronto M8X 2X4

TEFLON JACKETED POWER CABLES

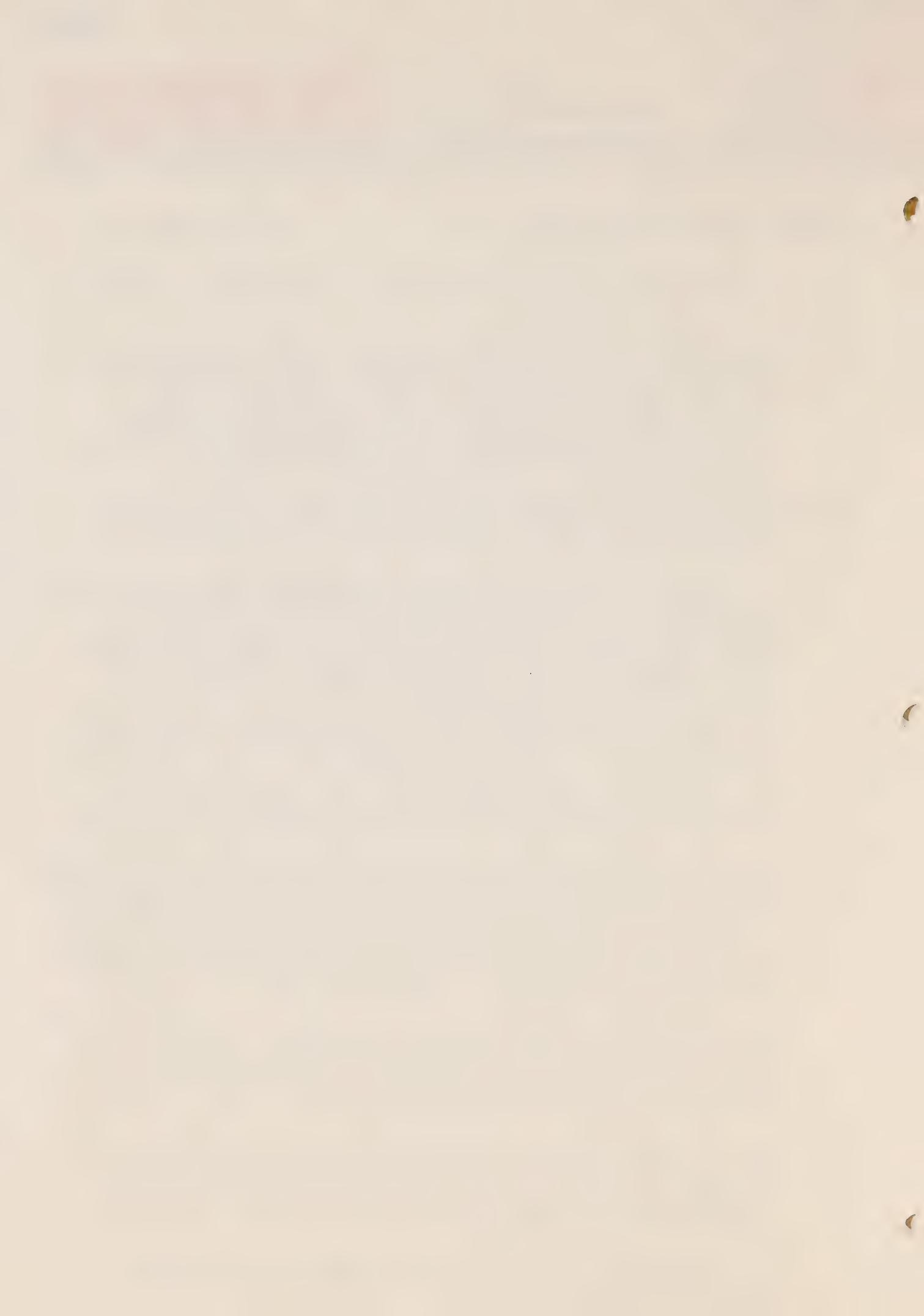
B.M.E.C. #82-7-45
8 July, 1982

IN THE MATTER OF SECTION 18(4)(b) of the Building Code Act,
R.S.O. 1980.

AND IN THE MATTER OF an application by E.I. Du Pont De Nemours & Company Inc., Wilmington, Delaware, U.S.A. 19898. Agent Du Pont Canada Limited, P.O. Box 26, Toronto Dominion Centre, Toronto, Ontario M5K 1B6. On the subject of the use of Teflon FEP, TFE and PFA fluoropolymer insulated and jacketed power limited circuit cables in vertical and/or ceiling space use as plenums without conduit.

THE COMMISSION HEREBY AUTHORIZES to the Applicant the use of the aforementioned matter subject to the following terms and conditions:

1. Where in the opinion of the COMMISSION negative experience indicated that this authorization should be amended and/or terminated, the COMMISSION may, by written notice to the applicant and/or his agent at the above address, withdraw this authorization and no further installations shall be made subsequent to the effective date of the termination as set out in the written notice.
2. This authorization is not to be used as an endorsement of any product or system for promotional or advertising purposes.
3. This authorization does not in any manner warrant or guarantee the successful performance of the subject matter.
4. This authorization is for the applicant only at the above address and is not transferable, and shall be for the system as installed and maintained in accordance with the manufacturers instructions as submitted with this application. Any revision or change in the Applicant or the materials, use, or manufacture of the product or process shall automatically be cause for termination, unless prior approval is granted for revision or change.
5. This authorization is only valid when in conformance with all other applicable governing legislation. Change in any Code provisions shall be grounds for re-evaluation. All applicable aspects of the Ontario Building Code shall be complied with except as authorized herein.
6. All cables tested as per UL 910 dated 20 November, 1981 with a peak obscenity density of not more than 1.0 and a maximum flame spread less than 10.0 feet are considered equivalent to electrical conductors installed within metallic totally enclosed raceways.
7. Documentation supporting the above criteria from a recognized agency shall be made available upon request by the Chief Building Official.





Rulings

information on decisions and authorizations may be obtained by writing to the Commission Secretary, 3300 Bloor St. W., Toronto M8X 2X4

CONCRETE ROOF TILE SYSTEM

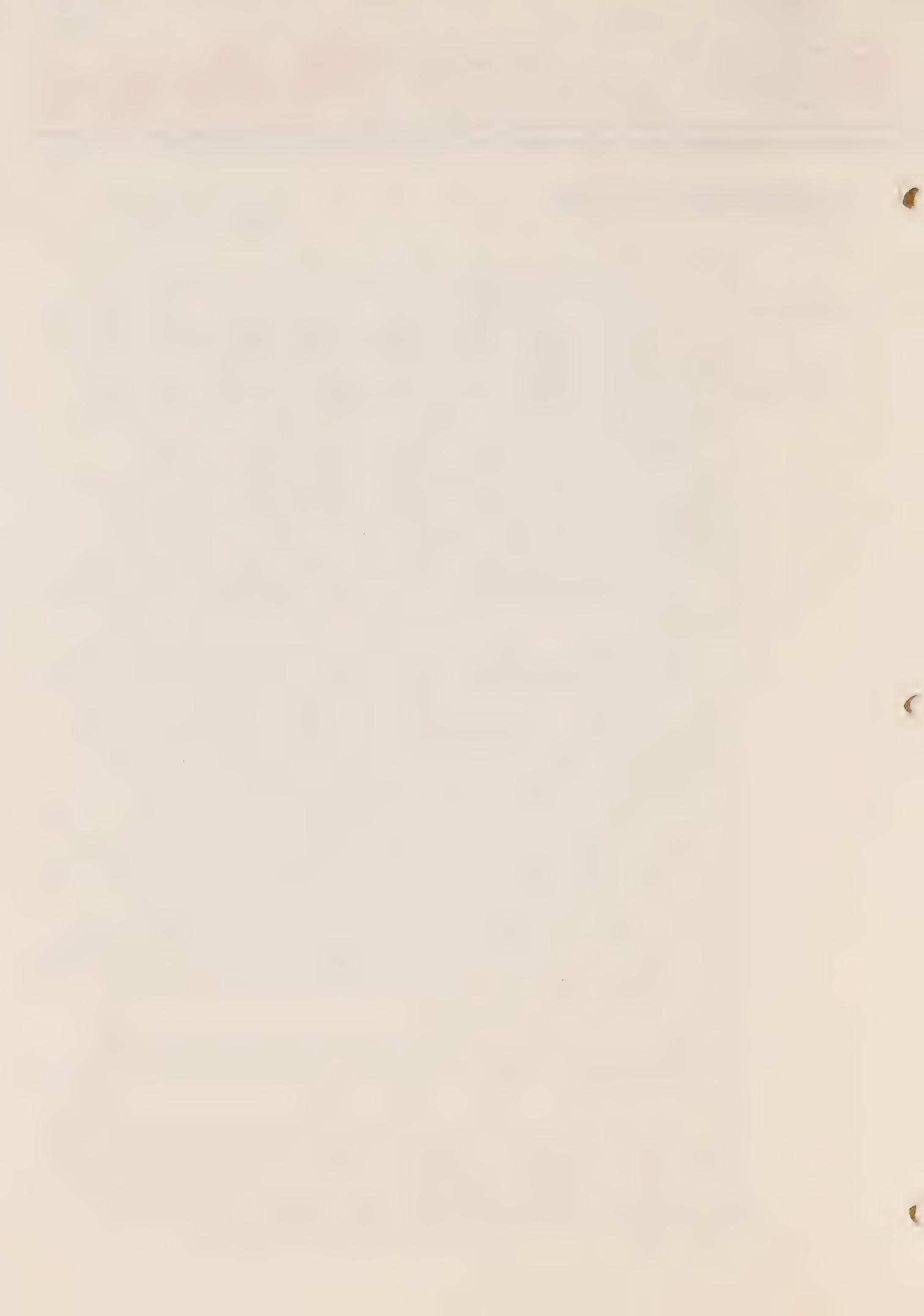
B.M.E.C. #82-8-46
July 8, 1982

IN THE MATTER OF Section 18(4)(b) of the Building Code
Act, R.S.O. 1980

AND IN THE MATTER OF an application by: Marley Roof Tiles Limited
281 Alliance Road, Milton, Ontario L9T 3M6 on the
subject of: Marley Concrete tile system used on pitched
roofs of building structures.

THE COMMISSION HEREBY AUTHORIZES to the Applicant the use of the
aforementioned matter subject to the following terms and
conditions:

1. Where in the opinion of the Commission negative
experience indicated that this authorization should be
amended and/or terminated, the COMMISSION may, by written
notice to the applicant and/or his agent at the above
address, withdraw this authorization and no further
installations shall be made subsequent to the effective
date of the termination as set out in the written notice.
2. This authorization is not to be used as an endorsement
of any product or system for promotional or advertising
purposes.
3. This authorization does not in any manner warrant or
guarantee the successful performance of the subject matter.
4. This authorization is for the applicant only at the
above address and is not transferable, and shall be for
the system as installed and maintained in accordance with
the manufacturers instructions as submitted with this
application. Any revision or change in the Applicant or
the materials, use, or manufacture of the product or
process shall automatically be cause for termination, unless
prior approval is granted for revision or change.
5. This authorization is only valid when in conformance with
all other applicable governing legislation. Change in any
Code provisions shall be grounds for re-evaluation.
6. All applicable aspects of the Ontario Building Code
Part 9 shall be complied with except that new and existing
roof support, framing rafters, trusses, sheathing, underlay
and flashings shall conform to Design Part 4 Ontario Building
Code as performed by a Registered Professional Engineer
in the Province of Ontario.
7. The above paragraph 6 shall be subject to the same
Professional Engineer to supervise and inspect the load
specifications of the walls and/or bearing structure caused
by the addition of this roofing system and all its elements
thereto.
8. Construction of this concrete tile roof system as noted
above shall comply with the published literature of Marley
Roof Tiles Limited as submitted and dated on 25 June, 1982
with the application and entitled Technical Requirements,
Installation and Marketing Policy, Engineering Report
(No. J1702), Warranty and Specifications Manual (07300
June 1982).





Information on decisions and authorizations may be obtained by writing to the Commission Secretary, 3300 Bloor St. W., Toronto M8X 2X4

AMENDMENTS TO PREVIOUS B.M.E.C. RULINGS

IN THE MATTER OF:

B.M.E.C. #78-5-13

19 April, 1979

Amended 11 June, 1981, (delete para. 5.)

Amended 11 February, 1982, (add new para. 5.)

5. This authorization shall include the use of either "Unisorb" or "Purifil" where the latter is now specified with the odour-removable media filters.

IN THE MATTER OF:

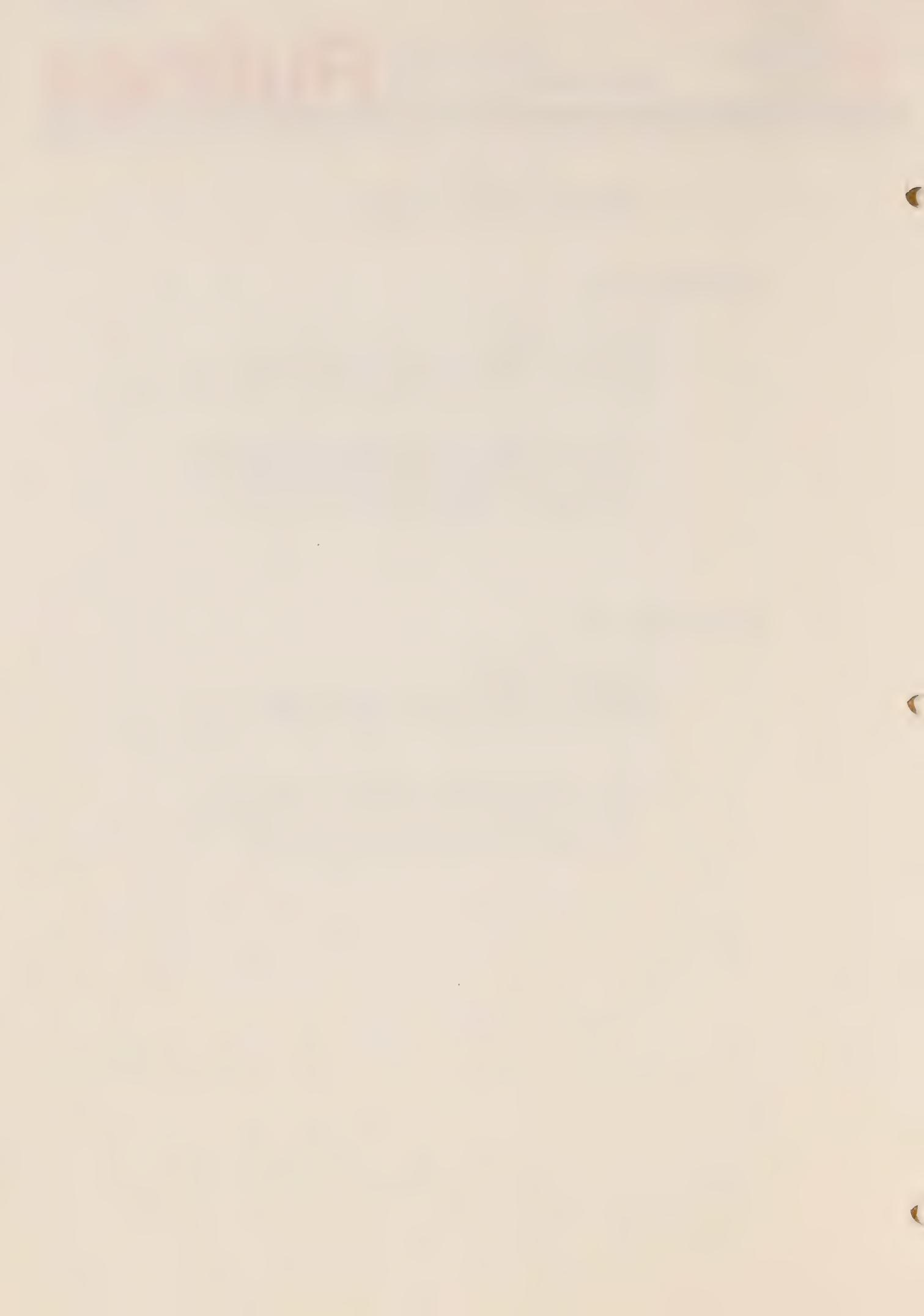
B.M.E.C. #79-4-19

8 November, 1979

Amended 11 June, 1981 (delete para. 8.)

Amended 11 February, 1982, (add new para. 8.)

8. This authorization shall include the use of either "Unisorb" or "Purifil" where the latter is now specified with the odour-removable media filters.





information on decisions and authorizations may be obtained by writing to the Commission Secretary, 3300 Bloor St. W., Toronto M8X 2X4

**AMENDMENTS TO
PREVIOUS B.M.E.C. RULINGS**

IN THE MATTER OF:

B.M.E.C. #80-4-26

13 November, 1980

Amended 11 February 1982 (delete para. 8 and add
new para. 8)

8. Installation and maintenance shall comply with the published literature and drawings No. 1 to No. 14 inclusive dated 23 October 1980 and/or amended to 11 February, 1982. These have been submitted by the Applicant to form part of this Authorization and are entitled Specification Sheets for Ecology and Heat Reclaim System for Commercial Kitchen Exhaust.



Ministry of
Consumer and
Commercial
Relations

Building Code Commission
Building Materials Evaluation Commission

Government
Publications

Rulings

Information on decisions and authorizations may be obtained by writing to the Commission Secretary, 3300 Bloor St. W., Toronto M8X 2X4

TERMINATION OF AUTHORIZATIONS

B.M.E.C. # as noted
13 May, 1982

IN THE MATTER OF Section 18(4)(b) of the Building Code Act,
R.S.O. 1980.

AND IN THE MATTER OF AUTHORIZATIONS:

B.M.E.C. # 79-1-16

79-3-18

79-5-20

79-7-22

80-6-28

80-8-30

ON THE SUBJECT OF:

Combination Voice and Fire Alarm Systems, and Nonmetallic
Electric Boxes, and Sill Plate Gaskets.

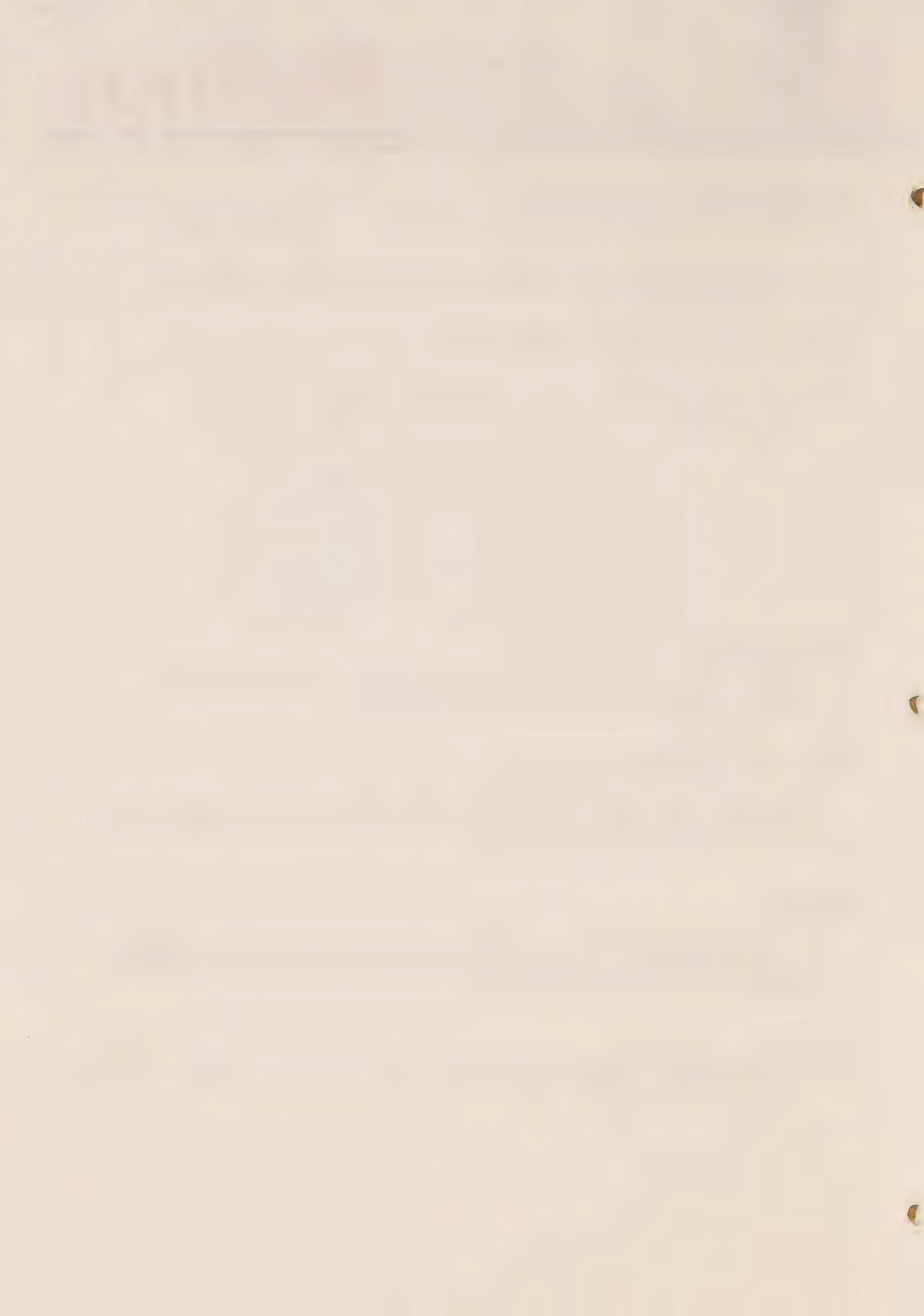
SHALL BE TERMINATED AS FOLLOWS:

The above mentioned authorizations shall be terminated as of
the date yet to be proclaimed for the forthcoming amendments
to the Ontario Building Code.

REASONS:

To forwarn all parties involved of the updating and amendments
to the forthcoming Ontario Building Code wherein the subject
matters will now be regulated.

MOVED AND ADOPTED THIS 13 DAY OF MAY 1982 BY THE BUILDING MATERIALS
EVALUATION COMMISSION.





Ministry of
Consumer and
Commercial
Relations

Building Code Commission

Building Materials Evaluation Commission

information on decisions and authorizations may be obtained by writing to the Commission Secretary, 3300 Bloor St. W., Toronto M8X 2X4

Rulings

AMENDMENTS TO AUTHORIZATIONS

B.M.E.C. # as noted
13 May, 1982

IN THE MATTER OF Section 18(4)(b) of the Building Code Act,
R.S.O. 1980.

AND IN THE MATTER OF authorizations:

B.M.E.C. #78-5-13

78-6-14

79-4-19

80-4-26

81-1-31

81-8-38

ON THE SUBJECT OF:

Kitchen Exhaust Heat Reclaim Systems

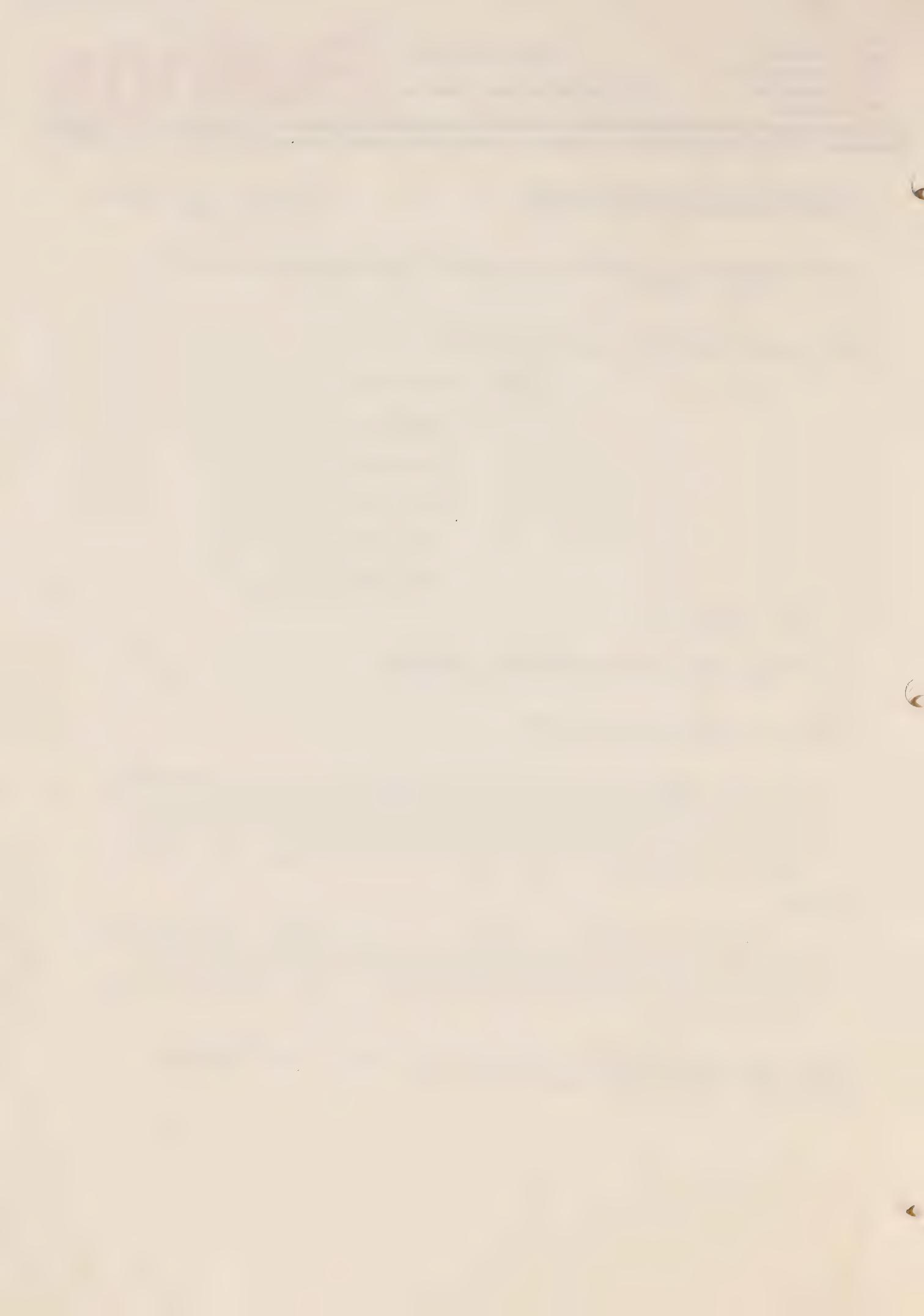
SHALL BE AMENDED AS FOLLOWS:

Where any reference to date has been made by the APPLICANT or the COMMISSION on any submission or authorization to the N.F.P.A. 96 regardless of the date it shall read N.F.P.A. 96-1980 as of the date yet to be proclaimed for the forthcoming amendments to the Ontario Building Code.

REASONS:

To forewarn all parties involved of the updating of relevant standards in the forthcoming amendments to the Ontario Building Code and maintain uniformity to all parties on the subject matter.

MOVED AND ADOPTED THIS 13 DAY OF MAY, 1982 BY THE BUILDING MATERIALS EVALUATION COMMISSION.





This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

COMBUSTIBLE SERVICES OF
PLASTIC PIPING

B.C.C. #87-22-207
25 January 1988

General Description of Project

This is a newly constructed twelve storey residential apartment building (Group C).

Reason for Application

O.B.C. O. Reg. 419/86, Sentence 3.1.4.5.(5) prohibits the use of combustible piping with a flame spread in excess of 25 and a smoke developed classification in excess of 50.

Applicant's Position

ABS piping has been used only for the fixture outlet piping and traps on the kitchen sinks and lavatories in each suite. However, at no time does this ABS piping pass through any part of the building structure, the ABS is limited to the exposed piping and traps within the cupboards and vanities which are of wood construction.

Building Official's Position

The concealed waste piping is metal and conforms to the Code, it is the exposed ABS piping, traps and P.O. plugs that are contrary to Sentence 3.1.4.5.(5).

Commission Ruling

It is the decision of the Building Code Commission concerning application #87-22-207 that having heard the testimony and seen the evidence presented by all parties at this hearing, which clearly shows that an initial inspection by the building official an "order" was issued.

The applicant proceeded to change the materials and requested another inspection, which when completed, resulted in a letter from the Building Official that the "order has been satisfied".

The Building Code Commission, considering the facts presented at this hearing, finds that there is no dispute on the technical requirements of the Building Code O. Reg. 419/86.

Reasons

1. The Applicant took action to comply with the order from the Building Official prior to the date of this hearing.



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

SPATIAL SEPARATIONS AND
LIMITING DISTANCES

B.C.C. #87-21-206
25 January 1988

General Description of Project

A proposed new three storey office building incorporated windows on the east elevation which is 1.5 m from the property line.

Reason for Application

O.B.C., O. Reg. 419/86, Sentence 3.2.3.1.(3) and (6) determines allowable unprotected openings in respect to limiting distance.

Applicant's Position

A distance of 14.2 m has been leased on the east side of the proposed building and thereby increasing the limiting distance which would allow the windows on the east side of this building to be constructed.

Building Official's Position

Limiting distance is defined as the distance between an exposing building face to a property line, however the limiting distance in this case is 1.5 m. The leased adjoining property is not recognized by the Building Code in the determination of limiting distance.

Commission Ruling

In favour of the Applicant. It is the decision of the Building Code Commission that application #87-21-206, would provide a sufficiency of compliance to the O.B.C. O. Reg. 419/86 to limiting distance/spatial separation provided that a covenant between the owners of both properties and the Chief Building Official is registered on the title of both properties guaranteeing that, should buildings on either property be constructed, or altered on the adjacent exterior, in any way that would affect the perceived limiting distance, then the parties shall be made to comply with the Building Code in force at that time regarding the unprotected openings on the exposed adjacent faces and the covenant shall run with the title and shall be binding on all three parties, heirs and successors or assigns. A certified copy of this covenant shall be sent to Secretary of the Building Code Commission.

Reasons

1. Given this covenant, there is no risk to life safety now or in the future.
2. The Chief Building Official's role in signing this covenant is to continue to act as the enforcer of the Building Code should either party make changes to any buildings on either property.
3. This covenant makes it incumbent on all three parties to search the title when a building permit is requested.
4. The agreement presented as exhibit #7 does not adequately meet the requirements of the Building Code.



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

REQUIREMENTS FOR EXITS AND DEAD END CORRIDORS

B.C.C. #87-20-205
26 January 1988

General Description of Project

An existing one storey shopping mall is undergoing renovations of the anchor store to provide a number of small retail stores. A component of these small retail stores is a new public corridor at the rear of such stores which leads to a new exit corridor discharging to the exterior.

Reason for Application

O.B.C. O. Reg. 419/86, Article 3.4.1.2. refers to types of exits such as "interior passageway", however there seems to be no definition of this term and the Code has not adequately addressed the subject. However 3.3.6.4.(1)(b) permits a dead end corridor to exceed the 9 m length.

Applicant's Position

When the travel distance requirements in 3.4.2.4.(1)(b) of 45 m created a problem with the dead end corridor layout, a portion of this public corridor was fire rated (1-Hr.) and converted to an interior passageway, to be viewed as an exit.

Building Official's Position

The building is fully sprinklered and the exit corridor meets all exit requirements for fire-resistance ratings, however the dead end corridor at the rear of the retail stores leading to the exterior exit is classified as an interior passageway which should be viewed not "singley" but in "combination" (see 3.4.1.2.) with consideration to the definition of exit.

Commission Ruling

In favour of the Applicant. It is the decision of the Building Code Commission that application #87-20-205 conforms with the Building Code O. Reg. 419/86, as regards to life safety on condition that; as the applicant has agreed that the doors between the suites and the dead end public corridor shall not be fitted with self-locking devices.

Reasons

The lack of self-locking devices ensures that no person could be trapped in the corridor as shown on Exhibits 4 and 6 presented to this Commission.



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

DISTANCE BETWEEN
EXITS

B.C.C. #87-19-204
26 January 1988

General Description of Project

Two three storey residential apartment buildings under construction containing eighteen suites each and of 518 m² each in building area.

Reason for Application

O.B.C. Reg. 419/86, Article 9.9.8.6. requires that where two exits are needed they shall be independent of each other and be placed remote from each other along the path of travel between them.

Applicant's Position

Exit stairs are located independent from each other separated from the other by a corridor. The remoteness of one stair from the other is at issue where we contend that the separation (width of corridor) of exit stairs as presented here is commonly provided in many walk-up apartments throughout the Province.

Building Official's Position

The proximity of the exits being the width of the public corridor and located directly opposite each other, does not comply with the intent of the Code which required exits to be placed remote from each other.

Commission Ruling

In favour of the Applicant. It is the decision of the Building Code Commission that application #87-19-204 does not meet the requirements of the Ontario Building Code O. Reg. 419/86 regarding remoteness of exits along the path of travel between them.

Reasons

1. The close proximity of the exits does not provide remoteness of exits within the path of travel.
2. The proposed design does not meet the intent of the Code relative to life safety.



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

LIVE LOADS DUE TO USE AND OCCUPANCY

B.C.C. #87-18-203
11 December 1987

General Description of Project

An existing office area on the second floor of a shopping mall is proposed to be used as a shoe retail store.

Reason for Application

O.B.C. Ontario Regulation 419/86 in Subsection 4.1.6 and Table 4.1.6.A. requires minimum specified loads for office areas of floors above the first floor to be 2.4 kPa (50 P.S.F.) and retail areas to be 4.8 kPa (100 P.S.F.).

Applicant's Position

Building area on the second floor has an available floor load of 75 P.S.F. provided that the layout of furniture and storage of shoe boxes will remain as they are at the present time and that the amount of shoppers will be limited to 125 people at any one time.

Building Official's Position

The intended use of the subject floor space is for a retail store. Sentence 4.1.6.3.(1) of the Code requires the floor to be designed to support a load "not less than the value listed in Table 4.1.6.A.". There is no provision to accept a lesser loading based on a rationale argument. There are legal and practical reasons for this rigid requirement.

Commission Ruling

In favour of the Building Official. It is the decision of the Building Code Commission that Application #87-18-203 is a direct contravention of the requirements of the Ontario Building Code O. Reg. 419/86.

Reasons

The floor loading requirements of the Building Code are a minimum.



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

SPATIAL SEPARATION
BETWEEN BUILDINGS

B.C.C. #87-17-202

11 December 1987

General Description of Project

A proposed twelve storey apartment building has a limiting distance of 1.8 m from the property line, however, a proposed second phase office building is to be constructed on the adjacent property with 22 m limiting distance from the lot line.

Reason for Application

O.B.C. O/Regulation 419/86, Subsection 3.2.3 and Sentence 3.2.3.8.(2) permits a percentage of unprotected openings of plain glass and wired glass, however, the subject building would require all wired glass.

Applicant's Position

Since the office building destined on the lot adjacent to the western exposure of our apartment is regulated by by-law with respect to minimum distance from our building, the problem of fire transmission which lies at the basis of Code requirements (3.2.3.) would not exist. Therefore, total wired glass would produce a detrimental effect on our apartment building.

Building Official's Position

The design incorporated a combination of plain and wired glass to satisfy the Code requirements, however, the apartment building has been located closer to the property line than first approved, which results in the necessity to use wired glass in all the windows.

Commission Ruling

In favour of the Applicant. It is the decision of the Building Code Commission that based on the present Master Plan there is sufficiency of compliance to the O.B.C. regarding limiting distance/spatial separation provided that a covenant between the owners of both properties and the Chief Building Official is registered on the titles of both properties guaranteeing that, should the buildings on either property be altered from the Master Plan on the exterior in any way, then the parties shall be made to comply with the Building Code in force at that time regarding the unprotected openings on the exposed adjacent faces and the covenant shall run with the title and shall be binding on all three parties, heirs, successors or assigns.

Reasons

1. Given the Master Plan and this covenant, there is no life safety at risk now or in the future.
2. The Chief Building Official's role in signing this covenant is to continue to act as the enforcer of the Building Code should either party decide to make changes to the buildings or the Master Plan.
3. This covenant makes it incumbent on all three parties to search the title when a building permit is requested.
4. A certified copy of the covenant shall be sent to the Building Code Commission, by registered mail, addressed to the Commission Secretary.



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

OCCUPANCY CLASSIFICATION
AND EXIT FACILITY

B.C.C. #87-16-201
8 December 1987

General Description of Project

This is a typical car dealership with repair garage, parts-storage areas, offices and customer waiting room.

Reason for Application

1. O.B.C. 0/Reg. 419/86, Sentence 3.1.3.1.(6) allows exceptions to major occupancies, however, spray painting is an F1 occupancy, as the entire building has not been designed as an F1 a "firewall" may separate the rest of the building.
2. Article 3.4.7.3. requires "every flight of interior stairs shall have at least three risers".

Applicant's Position

1. Group F, Division 2 includes a "repair garage", however, the spray painting while listed as Group F, Division 1 is by definition of "major occupancy" a subsidiary to the "repair garage" which is the "major occupancy".
2. Article 3.4.7.3. may have some merit, however, 3.4.7.12.(4) allows a single step at an exterior exit door and our interior building conditions represents the same situation without the exterior door, on this basis there is no risk or hazard to life safety.

Building Official's Position

1. To reclassify the entire building as F2 occupancy and consider the spray painting operation (F1 occupancy) as subsidiary occupancy is not permitted under Sentence 3.1.3.1.(6) of the O.B.C.
2. Stair No. 2 is a required exit, under Article 3.4.7.3. a single riser in a flight of interior stairs is not permitted.

Commission Ruling

In favour of the Applicant/Building Official.

1. in the matter of the spray booth, it is a subsidiary use with an F2 occupancy and, therefore, has sufficiency of compliance with the Ontario Building Code.
2. in the matter of the single riser, this is a direct contravention of the Ontario Building Code.

Reasons

1. The spray booth is a self-contained compartment using a water wash system and a CO₂ fire protection system.
2. The single riser creates a potential accident hazard.



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

SPATIAL SEPARATIONS
BETWEEN BUILDINGS

B.C.C. #87-15-200
8 December 1987

General Description of Project

An existing building is to be renovated and a new extension added to the rear, however, the property line is .61 m from the face of the building. The building wall is adjacent to the neighbour's fire access route and huge grade level parking lot, the proposed renovations and addition will have unprotected openings facing this fire access route and grade level parking lot.

Reason for Application

O.B.C. 0/Reg. 419/86, Sentence 3.2.3.1.(1) requires that the area of unprotected openings shall not exceed that set forth in the Tables and limiting distance applicable to the exposing building face as set out in the Table.

Applicant's Position

The site plan agreement, rights in common covenant and easement indentures are registered on deed with both property owners with respect to development of both properties to be treated basically as one property. With these legal instruments in place, the location of limiting distance should be altered in regard to this existing building's exposing face.

Building Official's Position

Limiting distance as used in the Code is measured from an exposing building face to a property line, rights of easement and rights in common cannot be accepted for this purpose since the Code does not permit it.

Commission Ruling

In favour of the Applicant. It is the decision of the Building Code Commission that Application #87-15-200 provides sufficiency of compliance with the Ontario Building Code on condition that the applicant and the owners of the adjacent property enter into a covenant and register same on title - to give notice to future owners that, should a building be erected on the adjacent property to the South and/or East of the subject premises, covered by existing agreements, that the then owners shall make such alterations that are necessary to meet requirements of the Building Code in force at that time.

Reasons

1. The Commission sees no life safety problems at this time - however, the above condition will provide for life safety protection in the future, should conditions change.
2. The applicant agrees to provide a copy of the covenant to the Chief Building Official and to the Building Code Commission.



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

SPRINKLER SYSTEMS

B.C.C. #87-14-199

13 November 1987

General Description of Project

A very large food chain store is a major tenant in a single storey shopping mall and as a typical merchandising outlet they have about thirty cashier/customer check out services located underneath several square pyramid shaped canopies adjacent to the front entrance.

Reason for Application

O.B.C. 0/Reg. 583/83, Sentence 3.2.5.5.(1) requires that a sprinkler system shall be designed, constructed and installed in conformance with N.F.P.A.-13.

Applicant's Position

The canopies do not form part of the building structure, but are rather a decorative element. The fabric covering the canopies conforms to the requirements for textile flammability specified in Section 2.3.2 of the Ontario Fire Code, O.Reg. 67/87. The building is of noncombustible construction and completely sprinklered, the area underneath the canopies has a very low combustible load and is open for the occupants to see and react to a fire.

Building Official's Position

The fabric canopies are interior finish as specified in the Building Code. While the fabric complies with flame spread requirements of the Building Code, it is the manner that the canopies are installed in relation to required sprinklers that is in contravention of the N.F.P.A.-13 as specified in Sentence 3.2.5.5.(1) of the Building Code.

The roof level sprinklers will not provide adequate protection to control a fire originating below the canopies, because the canopies themselves would obstruct proper operation of sprinklers by shielding any fire below them.

Commission Ruling

In favour of the Building Official. It is the decision of the Building Code Commission that this application does not meet the requirements of O.B.C. 0/Reg. 583/83.

Reasons

1. The level of safety described in the O.B.C. and N.F.P.A. would be lowered.
2. Any condition that would delay prompt operation of automatic sprinklers to control fires at any point by local sprinklers cannot be permitted.
3. The installation of any "umbrella" more than 4'-0" wide requires the installation of sprinklers beneath same.



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

SPRINKLER SYSTEMS

B.C.C. #87-14-199
13 November 1987

General Description of Project

A very large food chain store is a major tenant in a single storey shopping mall and as a typical merchandising outlet they have about thirty cashier/customer check out services located underneath several square pyramid shaped canopies adjacent to the front entrance.

Reason for Application

O.B.C. 0/Reg. 583/83, Sentence 3.2.5.5.(1) requires that a sprinkler system shall be designed, constructed and installed in conformance with N.F.P.A.-13.

Applicant's Position

The canopies do not form part of the building structure, but are rather a decorative element. The fabric covering the canopies conforms to the requirements for textile flammability specified in Section 2.3.2 of the Ontario Fire Code, O.Reg. 67/87. The building is of noncombustible construction and completely sprinklered, the area underneath the canopies has a very low combustible load and is open for the occupants to see and react to a fire.

Building Official's Position

The fabric canopies are interior finish as specified in the Building Code. While the fabric complies with flame spread requirements of the Building Code, it is the manner that the canopies are installed in relation to required sprinklers that is in contravention of the N.F.P.A.-13 as specified in Sentence 3.2.5.5.(1) of the Building Code.

The roof level sprinklers will not provide adequate protection to control a fire originating below the canopies, because the canopies themselves would obstruct proper operation of sprinklers by shielding any fire below them.

Commission Ruling

In favour of the Building Official. It is the decision of the Building Code Commission that this application does not meet the requirements of O.B.C. 0/Reg. 583/83.

Reasons

1. The level of safety described in the O.B.C. and N.F.P.A. would be lowered.
2. Any condition that would delay prompt operation of automatic sprinklers to control fires at any point by local sprinklers cannot be permitted.
3. The installation of any "umbrella" more than 4'-0" wide requires the installation of sprinklers beneath same.



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

SPATIAL SEPARATIONS
BETWEEN BUILDINGS

B.C.C. #87-13-198
13 November 1987

General Description of Project

This is a newly constructed one storey glazed greenhouse/sun room added to the rear of an existing two storey masonry single family dwelling.

Reason for Application

Ontario Building Code Regulation 419/86, Article 9.10.14.15. requires, "openings in every wall that have a limiting distance of less than 1.2 m shall be protected by closures of other than wire glass or glass block a required for the fire-resistance rating of the wall.

Applicant's Position

Realizing that the intent of limiting the area of unprotected openings in a building face with spatial separation is to limit the spread of fire to an adjacent property through heat radiation, the owner has proposed to construct a masonry fence on the property line to act as a "fire shield".

Building Official's Position

The area of the windows not protected is more than Table 9.10.14.A. would allow for the existing limiting distance. Subsection 9.10.14. does not permit the proposed "fire shield" masonry fence/wall. Further, this proposed fence/wall is not addressed anywhere in the Building Code nor does it meet or even approach the Code requirements.

Commission Ruling

In favour of the Building Official. It is the decision of the Building Code Commission that Application #87-13-198 regarding spatial separation does not meet the requirements of Ontario Building Code Regulation 419/86.

Reasons

1. An independent fire screen wall is not a "Building" as defined in the O.B.C. and is, therefore, not addressed therein. However, the Code allows closures and sprinklers.
2. The height of the proposed wall is governed by the City of Scarborough's fence by-law and would not be high enough to provide protection for these unprotected openings.
3. There is no guarantee of continued maintenance of the wall.



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

B.C.C. #87-12-197

28 October 1987

LIVE LOADS DUE TO USE AND OCCUPANCY

General Description of Project

This project consists of the first basement level of an existing building which was originally a passenger car garage, however, a new tenant proposed a health fitness club with a two lane running track surrounding about fifty exercise machines of various types.

Reason for Application

Table 4.1.6.A. of O.B.C. O/R 419/86 lists gymnasia as an example of an assembly area that would require a minimum specified (live) load of 4.8 kPa (100 p.s.f.)

Applicant's Position

The Structural Consultant suggests the proposed occupancy qualified under 4.1.6.A. as a "recreation" area that cannot be used for assembly purposes, this would require a minimum specified (live) load of 3.6 kPa (75 p.s.f.) and the existing floor slab complies with that load. However, when the live load reduction allowance under sentence 4.1.6.3.(9) is applied, this specified (live) load would be reduced to levels approaching 2.4 kPa (50 p.s.f.). With all significant areas of the floor obstructed by exercise equipment, there are no unobstructed areas available to allow "assemblies" of persons to participate in activities normally associated with gymnasia.

Building Official's Position

In sentence 3.1.2.1.(1), every part of a building shall be classified according to its "major occupancy" as belonging to one of the Groups or Divisions described in Table 3.1.2.A., which lists gymnasia as an example of an A2 (assembly occupancy not elsewhere classified in Group A). Sentence 4.1.6.3(1) specifies the load shall be not less than the value listed in Table 4.1.6.A., which lists gymnasia under the heading Assembly Areas and specifies a minimum load of 4.8 kPa (100 p.s.f.). "Assembly Occupancy", this is defined as a gathering of persons for recreational or like purposes and that this use is an A2 gymnasium.

Commission Ruling

In favour of the Applicant. It is the decision of the Building Code Commission that Application #87-12-197, would have sufficiency of compliance with Ontario Building Code, O. Reg. 419/86 on condition that the equipment in the exercise area as indicated on Exhibit 14 (drawing #107) be securely fixed to the floor slab to the satisfaction of the Chief Building Official.

Reasons

1. The fixed equipment prohibits the room from being used for assembly purpose.
2. The P. Eng. for the applicant has agreed to affix his stamp to the documents concerning the slab strength for the proposed exercise area.
3. The Exercise Area has a ceiling height of approx. 8'-0" which prohibits its use as a gymnasium.



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

STORAGE GARAGE

B.C.C. #87-11-196
28 October 1987

General Description of Project

A proposed new second floor is to be constructed on an existing one storey library building and will extend out over the existing open air parking area.

Reason for Application

Sentence 3.3.7.6.(11) of the Ontario Building Code O. Reg. 419/86 requires a storage garage to have at least 1 1/2 hour fire separation from other occupancies.

Applicant's Position

The second storey extension of the library over the existing parking area, will leave the parking area open on three sides and separated by 1 hour fire resistance rated floor assembly above. The first storey of the existing library is separated from the parking area by an existing glazed vertical separation. However, a drive lane between the parking area and the adjoining library glazed wall would remain with four parking spaces for the handicapped.

Building Official's Position

By virtue of its occupancy, a "roofed" parking area becomes by definition a "storage garage" in the Code. Therefore, a separation of at least 1 1/2 hours shall be provided from any other occupancy.

Commission Ruling

In favour of the Building Official. It is the decision of the Building Code Commission that Application #87-11-196 does not meet the requirements of the Ontario Building Code O. Reg. 419/86. However, the Commission rules that a sufficiency of compliance with the O.B.C. may be achieved if a permanent structure is installed to prevent vehicular access to the adjacent area of the glazed vertical separation.

Reasons

1. The parking area will be separated by a spatial opening from the adjoining glazed library wall by about 20'-0".
2. The library floor above the garage will have a minimum fire resistance rating of one hour.
3. The parking area will remain open along three sides of its perimeter.



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

B.C.C. #87-10-195

8 October 1987

OPENINGS FOR COMMUNICATION STAIRWAYS

General Description of Project

A new multi-storey office building proposes to interconnect the ninth and tenth floors also the third and fourth floors. This interconnection would be for open stairs to facilitate internal circulation and communication within these single tenancies.

Reason for Application

Ontario Building Code Reg. 419/86, Clause 3.2.8.1.(7)(a) states that openings for stairways shall not exceed 10m^2 .

Applicant's Position

The Ontario Building Code permits the interconnection of floors by openings similar to the proposed stairs; however, the proposed openings are approximately 17m^2 in this area. Fire protection requirements of Sentence 3.2.8.1.(7) will be implemented in this design, these include close-spaced sprinklers and a heat baffle along the open perimeter of the through-floor opening.

In addition, even though not required by the Code, smoke detectors, connected to the building fire alarm system will be installed along the open perimeter of the stair openings.

Building Official's Position

The proposed stair openings of this building exceed the allowable permitted openings between floors of 10m^2 in area.

Commission Ruling

In favour of the Applicant. It is the decision of the Building Code Commission that Application #87-10-195 has sufficiency of compliance with the Ontario Building Code, O. Reg. 419/86 with respect to life safety.

Reasons

The openings between the third and fourth floors and the ninth and tenth floors in this building are protected by:

- a) close-spaced sprinklers in accordance with NFPA-13,
- b) smoke baffles in accordance with NFPA-13,
- c) smoke detectors on all four sides of the perimeters of the openings on the ceilings of each lower floor,
- d) the building is fully sprinkled in accordance with NFPA-13,
- e) each floor area has been provided with the required exits in addition to these convenience stairs.



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

WALL SHEATHING PAPER

B.C.C. #87-9-194
8 October 1987

General Description of Project

This project consists of approximately forty homes. Each of these homes are two-storey with attached garage, construction is wood with brick veneer.

Reason for Application

Ontario Building Code Reg. 583/83, Article 9.23.17.3. states that at least one layer of sheathing paper shall be applied beneath masonry veneer.

Applicant's Position

Wall cuts through the masonry veneer at the habitable area of the houses clearly revealed the presence of building paper behind the masonry veneer. However, inspection holes through the garages revealed the lack of building paper. To overcome this apparent violation of the Code, we propose the following solutions: 1) coat the outside surface of the masonry with a waterproof, but water vapour permeable, spray emulsion; 2) inject moisture resistant urethane foam insulation in the air space over each stud. These and other similar solutions would prevent moisture penetrating the veneer and contacting the wood structural frame and tentest sheathing.

Building Official's Position

Subsection 9.23.17. of the Code clearly states that at least one layer of sheathing paper is required behind masonry veneer. The possibility of wind driven water passing through the brick veneer and soaking the tentest sheathing and the frame wall components, jeopardizes the wall's capacity to safely carry the load. The presence of an air space between the tentest sheathing and the brickwork is essential to enable unimpeded drying of any moisture passing through. Some walls in question are located less than 4'-0" to the lot line, thereby requiring a fire resistance rating. Any water penetration can also adversely affect the gypsum board finishes in these cases.

Commission Ruling

In favour of the Building Official. It is the decision of the Building Code Commission that Application #87-9-194 does not meet the requirements of Article 9.23.17 of O. Reg. 583/83. However, equivalency of compliance may be obtained as outlined in Article 9.3 if carried out to the satisfaction of the Chief Building Official.

Reasons

The integrity of the structures must be protected from unnecessary risk of deterioration by the elements.



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

AUTHORIZATION
BY THE
BUILDING MATERIALS EVALUATION COMMISSION

#87-9-106
9 December 1987

IN THE MATTER OF Section 18 (4) (b) of the Building Code Act,
Revised Statutes of Ontario, 1980, Chapter 51

AND IN THE MATTER OF the Applicant:

Dansk Eternit-Fabrik A/S.,
Sohgaardsholmsvej 2
P. O. Box 763
DK - 9100 Aalborg,
Denmark

AGENT:

C. Pacenza Roofing Imports
365 Barton Street
Stoney Creek, Ontario
L8E 2K4

ON THE SUBJECT OF:

Cembonit B7 Fibre Cement Corrugated Sheet Roofing, this is a Portland cement matrix reinforced with organic fibres and having an additional cement bonded coloured top layer and an acrylic faced final surface coating.

THE COMMISSION HEREBY AUTHORIZES to the Applicant the use of the aforementioned matter subject to the following terms and conditions:

1. Where in the opinion of the COMMISSION negative experience indicates that this authorization should be amended and/or terminated, the COMMISSION may by written notice to the applicant or the agent at the above address, withdraw the authorization and no further installations shall be made subsequent to the effective date of the termination as set out in the written notice.
2. The COMMISSION does not assume or undertake to discharge any responsibility of the applicant to any other party or parties and does not in any manner warrant or guarantee the correctness and/or the successful performance of the subject matter.

3. This AUTHORIZATION may be mentioned in promotional and/or advertising material, however, it is not to be used expressly or impliedly as an endorsement of any product, material, technique or design which is described herein.
4. This AUTHORIZATION is not transferable to any other party. If the APPLICANT makes any revision or change to the address or the materials, technique, design, system and/or use of the same shall automatically be cause for termination, unless prior approval is granted for such revision or change by the COMMISSION.
5. Construction and installation shall be in conformance to all applicable governing legislation except that compliance with the terms and conditions described herein shall be deemed not to be a contravention of the Building Code. Where applicable any change in the Act, Regulation or Code provisions shall be grounds for re-evaluation by the COMMISSION.

AND SPECIFIC REQUIREMENTS

6. Except as authorized herein all applicable requirements of the Ontario Building Code Act and Ontario Regulation 419/86 shall be met. A copy of this Authorization shall be kept and maintained on the site of construction.
7. When this roofing system is used for noncombustible construction all components and support members shall be of noncombustible materials.
8. Conformance shall be made to a current CMHC Evaluation Report, however, in case of conflict with this authorization the more stringent matter shall prevail.
9. Subject to paragraphs herein this roofing system shall be in accordance with the manufacturer's published instructions and installation shall be by the manufacturer's trained qualified tradespersons.
10. In lieu of wood roof sheathing for this roofing system, wood purlins (battens) may be used.
11. For existing roofs, the structural adequacy of the roof framing and the supporting members shall be examined by a qualified manufacturer's representative and a written, signed and dated certificate shall be attached to the manufacturer's warranty with copies to the building official and owner(s).
12. Voids between existing roofing systems and this new roofing system shall not be filled with insulation.

DATED at Toronto this 9TH day in the month of DECEMBER in the year 1987 for authorization # 87-9-106 on behalf of:



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

AUTHORIZATION
BY THE
BUILDING MATERIALS EVALUATION COMMISSION

#87-7-104
9 December 1987

IN THE MATTER OF Section 18 (4) (b) of the Building Code Act,
Revised Statutes of Ontario, 1980, Chapter 51

AND IN THE MATTER OF the Applicant:

Alloycraft Limited
12 Raitherm Road
Toronto, Ontario
M6B 1S6

ON THE SUBJECT OF:

#2006 Safety Mirror Backing. Film reinforced backing materials for framed mirrored glass, sliding or folding, wardrobe reach-in clothes closet doors, as an alternative to hardboard, plywood or particleboard.

THE COMMISSION HEREBY AUTHORIZES to the applicant the use of the aforementioned matter subject to the following terms and conditions:

1. Where in the opinion of the COMMISSION negative experience indicates that this authorization should be amended and/or terminated, the COMMISSION may by written notice to the applicant or the agent at the above address, withdraw the authorization and no further installations shall be made subsequent to the effective date of the termination as set out in the written notice.
2. The COMMISSION does not assume or undertake to discharge any responsibility of the applicant to any other party or parties and does not in any manner warrant or guarantee the correctness and/or the successful performance of the subject matter.
3. This AUTHORIZATION may be mentioned in promotional and/or advertising material, however, it is not to be used expressly or impliedly as an endorsement of any product, material, technique or design which is described herein.
4. This AUTHORIZATION is not transferable to any other party. If the APPLICANT makes any revision or change to the address or the materials, technique, design, system and/or use of the same shall automatically be cause for termination, unless prior approval is granted for such revision or change by the COMMISSION.

5. Construction and installation shall be in conformance to all applicable governing legislation except that compliance with the terms and conditions described herein shall be deemed not to be a contravention of the Building Code. Where applicable any change in the Act, Regulation or Code provisions shall be grounds for re-evaluation by the COMMISSION.

AND SPECIFIC REQUIREMENTS

6. The applicable standard for this AUTHORIZATION shall be CAN 2 - 82.6 - M 85 "Mirrored Glass, Sliding or Folding, Wardrobe Doors".
7. Labelling of each mirror, shall also indicate conformance to the applicable standard number, title, Fabrene woven/coated polyethylene and five year warranty on the mirror and backing.
8. Installation of the film backing shall conform to the manufacturers published installation instructions and recommendations as submitted to the COMMISSION to date of this AUTHORIZATION to provide a proper bond at lamination. There shall be no exposure of adhesive to surface contaminates on the glass.
9. The manufacturer shall record testing involving aging of the adhesive and backing to determine and correct if degradation occurs.

DATED at Toronto this 9TH day in the month of DECEMBER in the year 1987 for authorization #87-7-104 on behalf of:



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

AMENDED
AUTHORIZATION
BY THE

AMENDED
#85-7-85
3 May 1988

BUILDING MATERIALS EVALUATION COMMISSION

IN THE MATTER OF Section 18 (4) (b) of the Building Code Act,
Revised Statutes of Ontario, 1980, Chapter 51

AND IN THE MATTER OF the Applicant:

Rolf Jensen & Associates Limited
797 Don Mills Road
Don Mills, Ontario
M3C 1V2

ON THE SUBJECT OF:

A window sprinkler assembly system to provide a two-hour fire resistance rated separation in a wall to consist of tempered glass fixed in a hollow metal steel frame or extruded aluminum frame and a special sidewall window sprinkler with quick response action.

THE COMMISSION HEREBY AUTHORIZES to the applicant the use of the aforementioned matter subject to the following terms and conditions:

1. Where in the opinion of the COMMISSION negative experience indicates that this authorization should be amended and/or terminated, the COMMISSION may by written notice to the applicant or the agent at the above address, withdraw the authorization and no further installations shall be made subsequent to the effective date of the termination as set out in the written notice.
2. The COMMISSION does not assume or undertake to discharge the responsibility of the applicant to any other party or parties and does not in any manner warrant or guarantee the correctness and/or the successful performance of the subject matter.

3. This AUTHORIZATION may be mentioned in promotional and/or advertising material, however it is not to be used expressly or impliedly as an endorsement of any product, material, technique or design which is described herein
4. This AUTHORIZATION is not transferable to any other party. If the APPLICANT makes any revision or change to the address or the materials, technique, design, system and/or use of the same shall automatically be cause for termination, unless prior approval is granted for such revision or change by the COMMISSION.
5. Construction and installation shall be in conformance to all applicable governing legislation except that compliance with the terms and conditions described herein shall be deemed not to be a contravention of the Building Code. Where applicable any change in the Act, Regulation or Code provisions shall be grounds for re-evaluation by the COMMISSION.

AND SPECIFIC REQUIREMENTS

6. This window sprinkler assembly system shall be designed, engineered, inspected and verified by Rolf Jensen and Associates Limited. A document of certification with Professional Engineer's (authorized in Ontario) stamp shall be forwarded to the Chief Building Official and the Building Owner(s).
7. The sprinkler system shall be installed, and tested in accordance with N.F.P.A. 13 as a wet pipe system and maintained in accordance with Section 6.5 (sprinkler) of the Ontario Fire Code.
8. The special designed sprinkler head shall be designated as a horizontal sidewall window nozzle, Grinnell Canada Fire Protection Company Limited model FR-1/Q-60, 12.7 mm (1/2 in.) orifice, 72°C (165°F) activation temperature quick release link. The optimum position of the sprinkler head shall be as determined by the tests submitted in the submission by Rolf Jensen to this Commission
9. The interior glazing shall consist of one sheet of fixed non-operable tempered glass installed in a hollow metal steel frame of 16 gauge or extruded aluminum 2.5 mm (3/32 in.) thick (Alcan 6063-T5). The maximum glazing shall be 1680 mm (5 ft. 6 in.) wide by 2590 mm (8ft. 6 in.) high and minimum 6 mm (1/4 in.) thick tempered glass.

10.
 1. This system may be used as an exterior spatial separation when the window sprinkler is installed on the interior side of the window, and
 2. this system may be used as an interior fire separation when the window sprinkler is installed on both sides of the fire separation, and
 3. this system may be used in either a sprinklered or unsprinklered building.
11. Interior or exterior installations may be made in all types of occupancies except Group F, Division 1 and shall not be used in a firewall. Should the system be located in a loadbearing wall, all loadbearing components shall be protected independently of this window sprinkler assembly system.
12. This window sprinkler system shall not be used in exits as defined in the Ontario Building Code.
13. This horizontal sidewall window sprinkler system shall be served by either a separate riser or separate cross main independent of any regular sprinkler or standpipe system serving the floor area.
14. Separate flow switches or alarm check valves and supervised control valves and each fire compartment on each system shall be electrically supervised and indicated separately at the fire/sprinkler alarm annunciator panel.
15. Where the water supply is from a standpipe system conforming to the Code, the siamese connection shall be labelled as per the standard except for this dual purpose which shall read "STANDPIPE AND SPRINKLERS".
16. A noncombustible sign legibly printed in not less than 12.7 mm (1/2 in.) block letters with contrasting white background and red letters shall be permanently mounted and maintained beside the main water supply source to this window sprinkler assembly system to indicate:

WARNING

SPECIAL SPRINKLER HEADS ON THIS SYSTEM
ARE AN INTEGRAL PART OF WINDOW FIRE
SEPARATION. THIS WATER SUPPLY MAY
ONLY BE SHUT OFF AFTER ALL THE PROPER
AUTHORITIES HAVE RECEIVED NOTICE IN WRITING.

DATED at Toronto this 3RD day in the month of MAY
in the year 1988 for authorization # 85-7-85
amended on behalf of:



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

AUTHORIZATION
BY THE
BUILDING MATERIALS EVALUATION COMMISSION

#87-10-107
3 May 1988

IN THE MATTER OF Section 18 (4) (b) of the Building Code Act,
Revised Statutes of Ontario, 1980, Chapter 51

AND IN THE MATTER OF the Applicant:

Haven-Busch Company
3443 Chicago Drive S. West
Grandville, U.S.A.
MI 49418

Agent:

Canfab Steel Inc.
250 Wyecroft Road, Unit 18
Oakville, Ontario, Canada
L6K 3T7

ON THE SUBJECT OF:

Cirkel-Line Entrances, these are four swinging type door leaves which rotate automatically on a centre carousel. Interior and exterior non-touching motion sensors or photocells provide rotation speeds to suit the occupant of this revolving entranceway.

THE COMMISSION HEREBY AUTHORIZES to the applicant the use of the aforementioned matter subject to the following terms and conditions:

1. Where in the opinion of the COMMISSION negative experience indicates that this authorization should be amended and/or terminated, the COMMISSION may by written notice to the applicant or the agent at the above address, withdraw the authorization and no further installations shall be made subsequent to the effective date of the termination as set out in the written notice.
2. The COMMISSION does not assume or undertake to discharge any responsibility of the applicant to any other party or parties and does not in any manner warrant or guarantee the correctness and/or the successful performance of the subject matter.

3. This AUTHORIZATION may be mentioned in promotional and/or advertising material, however, it is not to be used expressly or impliedly as an endorsement of any product, material, technique or design which is described herein.
4. This AUTHORIZATION is not transferable to any other party. If the APPLICANT makes any revision or change to the address or the materials, technique, design, system and/or use of the same shall automatically be cause for termination, unless prior approval is granted for such revision or change by the COMMISSION.
5. Construction and installation shall be in conformance to all applicable governing legislation except that compliance with the terms and conditions described herein shall be deemed not to be a contravention of the Building Code. Where applicable any change in the Act, Regulation or Code provisions shall be grounds for re-evaluation by the COMMISSION.

AND SPECIFIC REQUIREMENTS

6. Except as authorized herein all applicable requirements of the Ontario Building Code Act and Ontario Regulation 419/86 shall be met. A copy of this Authorization shall be kept and maintained on the site of construction.
7. The Cirkel-Line Entrances shall be exempt from the code requirements of having hinged doors providing equivalent units of exit width located adjacent to them and may be used as an exit serving any and all floors, also the single leaves of this multiple leaf door may exceed the maximum width of the code.
8. Cirkel-Line Entrances shall be considered to provide a minimum standard for clear passageway throughout each door leaf of at least;
 - (a) 550 mm (21.65 in.) for one unit of exit width,
 - (b) 850 mm (33.46 in.) for one and one half units of exit width,
 - (c) 1100 mm (43.30 in.) for two units of exit width, and
 - (d) the total units of exit width for each Cirkel-Line Entrance is the accumulation of the exit widths on both sides of the centre carousel.

9. The four door leaves shall be operable to allow each door leaf to swing wide open when a force of not more than 90N (20 lb.) is applied to the centre of the door leaf in either direction of egress travel. There shall not be any latching or locking devices installed to impede or prevent exiting, however entrance may be permitted through the use of a key or access card and an emergency release mechanism shall be installed.
10. A legible sign having the words PUSH FOR EMERGENCY EXIT shall be permanently mounted mid-high on each side of the door leaf, the lettering on the sign shall be at least 25 mm (1 in.) high with a 5 mm (1/4 in.) stroke.
11. Each door leaf shall be so equipped with non-touching sensors to shut off the electrical supply to the carousel to:
 - (a) fail safe should a person stop or fall inside the entrance, or is hit by the door leaf, and
 - (b) each door leaf shall be capable of folding open in the forward or backward direction.
12. The maximum rotation speeds of the leading edge of the door leaf for normal use shall be 250 feet per minute and for the handicap use shall be 125 feet per minute.
13. A push button with a handicap symbol shall be installed at or near the interior and the exterior of each Cirkel-Line Entrance to reduce the carousel speed by at least one-half the normal speed for at least 20 seconds.
14. All glass used in each door leaf and the enclosure walls shall comply with the building code for exits.
15. Specially trained Haven-Busch installers shall install, trial run, instruct and supply the user on operation, maintenance and trouble shooting functions of the unit.

DATED at Toronto this 3rd day in the month of MAY in the year 1988 for authorization #87-10-107 on behalf of:



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

AMENDED
AUTHORIZATION
BY THE

AMENDED
#85-7-85
3 May 1988

BUILDING MATERIALS EVALUATION COMMISSION

IN THE MATTER OF Section 18 (4) (b) of the Building Code Act,
Revised Statutes of Ontario, 1980, Chapter 51

AND IN THE MATTER OF the Applicant:

Rolf Jensen & Associates Limited
797 Don Mills Road
Don Mills, Ontario
M3C 1V2

ON THE SUBJECT OF:

A window sprinkler assembly system to provide a two-hour fire resistance rated separation in a wall to consist of tempered glass fixed in a hollow metal steel frame or extruded aluminum frame and a special sidewall window sprinkler with quick response action.

THE COMMISSION HEREBY AUTHORIZES to the applicant the use of the aforementioned matter subject to the following terms and conditions:

1. Where in the opinion of the COMMISSION negative experience indicates that this authorization should be amended and/or terminated, the COMMISSION may by written notice to the applicant or the agent at the above address, withdraw the authorization and no further installations shall be made subsequent to the effective date of the termination as set out in the written notice.
2. The COMMISSION does not assume or undertake to discharge the responsibility of the applicant to any other party or parties and does not in any manner warrant or guarantee the correctness and/or the successful performance of the subject matter.

3. This AUTHORIZATION may be mentioned in promotional and/or advertising material, however it is not to be used expressly or impliedly as an endorsement of any product, material, technique or design which is described herein
4. This AUTHORIZATION is not transferable to any other party. If the APPLICANT makes any revision or change to the address or the materials, technique, design, system and/or use of the same shall automatically be cause for termination, unless prior approval is granted for such revision or change by the COMMISSION.
5. Construction and installation shall be in conformance to all applicable governing legislation except that compliance with the terms and conditions described herein shall be deemed not to be a contravention of the Building Code. Where applicable any change in the Act, Regulation or Code provisions shall be grounds for re-evaluation by the COMMISSION.

AND SPECIFIC REQUIREMENTS

6. This window sprinkler assembly system shall be designed, engineered, inspected and verified by Rolf Jensen and Associates Limited. A document of certification with Professional Engineer's (authorized in Ontario) stamp shall be forwarded to the Chief Building Official and the Building Owner(s).
7. The sprinkler system shall be installed, and tested in accordance with N.F.P.A. 13 as a wet pipe system and maintained in accordance with Section 6.5 (sprinkler) of the Ontario Fire Code.
8. The special designed sprinkler head shall be designated as a horizontal sidewall window nozzle, Grinnell Canada Fire Protection Company Limited model FR-1/Q-60, 12.7 mm (1/2 in.) orifice, 72°C (165°F) activation temperature quick release link. The optimum position of the sprinkler head shall be as determined by the tests submitted in the submission by Rolf Jensen to this Commission
9. The interior glazing shall consist of one sheet of fixed non-operable tempered glass installed in a hollow metal steel frame of 16 gauge or extruded aluminum 2.5 mm (3/32 in.) thick (Alcan 6063-T5). The maximum glazing shall be 1680 mm (5 ft. 6 in.) wide by 2590 mm (8ft. 6 in.) high and minimum 6 mm (1/4 in.) thick tempered glass.

10.
 1. This system may be used as an exterior spatial separation when the window sprinkler is installed on the interior side of the window, and
 2. this system may be used as an interior fire separation when the window sprinkler is installed on both sides of the fire separation, and
 3. this system may be used in either a sprinklered or unsprinklered building.
11. Interior or exterior installations may be made in all types of occupancies except Group F, Division 1 and shall not be used in a firewall. Should the system be located in a loadbearing wall, all loadbearing components shall be protected independently of this window sprinkler assembly system.
12. This window sprinkler system shall not be used in exits as defined in the Ontario Building Code.
13. This horizontal sidewall window sprinkler system shall be served by either a separate riser or separate cross main independent of any regular sprinkler or standpipe system serving the floor area.
14. Separate flow switches or alarm check valves and supervised control valves and each fire compartment on each system shall be electrically supervised and indicated separately at the fire/sprinkler alarm annunciator panel.
15. Where the water supply is from a standpipe system conforming to the Code, the siamese connection shall be labelled as per the standard except for this dual purpose which shall read "STANDPIPE AND SPRINKLERS".
16. A noncombustible sign legibly printed in not less than 12.7 mm (1/2 in.) block letters with contrasting white background and red letters shall be permanently mounted and maintained beside the main water supply source to this window sprinkler assembly system to indicate:

WARNING

SPECIAL SPRINKLER HEADS ON THIS SYSTEM
ARE AN INTEGRAL PART OF WINDOW FIRE
SEPARATION. THIS WATER SUPPLY MAY
ONLY BE SHUT OFF AFTER ALL THE PROPER
AUTHORITIES HAVE RECEIVED NOTICE IN WRITING.

DATED at Toronto this 3RD day in the month of MAY
in the year 1988 for authorization # 85-7-85
amended on behalf of:



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

AUTHORIZATION
BY THE
BUILDING MATERIALS EVALUATION COMMISSION

#87-10-107
3 May 1988

IN THE MATTER OF Section 18 (4) (b) of the Building Code Act,
Revised Statutes of Ontario, 1980, Chapter 51

AND IN THE MATTER OF the Applicant:

Haven-Busch Company
3443 Chicago Drive S. West
Grandville, U.S.A.
MI 49418

Agent:

Canfab Steel Inc.
250 Wyecroft Road, Unit 18
Oakville, Ontario, Canada
L6K 3T7

ON THE SUBJECT OF:

Cirkel-Line Entrances, these are four swinging type door leaves which rotate automatically on a centre carousel. Interior and exterior non-touching motion sensors or photocells provide rotation speeds to suit the occupant of this revolving entranceway.

THE COMMISSION HEREBY AUTHORIZES to the applicant the use of the aforementioned matter subject to the following terms and conditions:

1. Where in the opinion of the COMMISSION negative experience indicates that this authorization should be amended and/or terminated, the COMMISSION may by written notice to the applicant or the agent at the above address, withdraw the authorization and no further installations shall be made subsequent to the effective date of the termination as set out in the written notice.
2. The COMMISSION does not assume or undertake to discharge any responsibility of the applicant to any other party or parties and does not in any manner warrant or guarantee the correctness and/or the successful performance of the subject matter.

3. This AUTHORIZATION may be mentioned in promotional and/or advertising material, however, it is not to be used expressly or impliedly as an endorsement of any product, material, technique or design which is described herein.
4. This AUTHORIZATION is not transferable to any other party. If the APPLICANT makes any revision or change to the address or the materials, technique, design, system and/or use of the same shall automatically be cause for termination, unless prior approval is granted for such revision or change by the COMMISSION.
5. Construction and installation shall be in conformance to all applicable governing legislation except that compliance with the terms and conditions described herein shall be deemed not to be a contravention of the Building Code. Where applicable any change in the Act, Regulation or Code provisions shall be grounds for re-evaluation by the COMMISSION.

AND SPECIFIC REQUIREMENTS

6. Except as authorized herein all applicable requirements of the Ontario Building Code Act and Ontario Regulation 419/86 shall be met. A copy of this Authorization shall be kept and maintained on the site of construction.
7. The Cirkel-Line Entrances shall be exempt from the code requirements of having hinged doors providing equivalent units of exit width located adjacent to them and may be used as an exit serving any and all floors, also the single leaves of this multiple leaf door may exceed the maximum width of the code.
8. Cirkel-Line Entrances shall be considered to provide a minimum standard for clear passageway throughout each door leaf of at least;
 - (a) 550 mm (21.65 in.) for one unit of exit width,
 - (b) 850 mm (33.46 in.) for one and one half units of exit width,
 - (c) 1100 mm (43.30 in.) for two units of exit width, and
 - (d) the total units of exit width for each Cirkel-Line Entrance is the accumulation of the exit widths on both sides of the centre carousel.

9. The four door leaves shall be operable to allow each door leaf to swing wide open when a force of not more than 90N (20 lb.) is applied to the centre of the door leaf in either direction of egress travel. There shall not be any latching or locking devices installed to impede or prevent exiting, however entrance may be permitted through the use of a key or access card and an emergency release mechanism shall be installed.
10. A legible sign having the words PUSH FOR EMERGENCY EXIT shall be permanently mounted mid-high on each side of the door leaf, the lettering on the sign shall be at least 25 mm (1 in.) high with a 5 mm (1/4 in.) stroke.
11. Each door leaf shall be so equipped with non-touching sensors to shut off the electrical supply to the carousel to:
 - (a) fail safe should a person stop or fall inside the entrance, or is hit by the door leaf, and
 - (b) each door leaf shall be capable of folding open in the forward or backward direction.
12. The maximum rotation speeds of the leading edge of the door leaf for normal use shall be 250 feet per minute and for the handicap use shall be 125 feet per minute.
13. A push button with a handicap symbol shall be installed at or near the interior and the exterior of each Cirkel-Line Entrance to reduce the carousel speed by at least one-half the normal speed for at least 20 seconds.
14. All glass used in each door leaf and the enclosure walls shall comply with the building code for exits.
15. Specially trained Haven-Busch installers shall install, trial run, instruct and supply the user on operation, maintenance and trouble shooting functions of the unit.

DATED at Toronto this 3RD day in the month of MAY in the year 1988 for authorization #87-10-107 on behalf of:

This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

14351
cc 110
- B71

AUTHORIZATION #89-5-122
BY THE 27 September 1989
BUILDING MATERIALS EVALUATION COMMISSION

IN THE MATTER OF Section 18 (4) (b) of the Building Code Act,
Revised Statutes of Ontario, 1980, Chapter 51

AND IN THE MATTER OF the Applicant:

Ark-Seal Inc.
2185 South Jason
Denver, Colorado, U.S.A.
80223



ON THE SUBJECT OF:

Blow-In-Blanket System (BIBS), for insulating conventionally framed wood exterior or interior wall or ceiling construction, using loose fill mineral pink fibre combined with a binder/adhesive and pneumatically pumped into only exposed cavities while held in place by nylon netting stapled to the wall construction cavity during installation.

THE COMMISSION HEREBY AUTHORIZES to the applicant the use of the aforementioned matter subject to the following terms and conditions:

1. Where in the opinion of the COMMISSION negative experience indicates that this authorization should be amended and/or terminated, the COMMISSION may by written notice to the applicant or the agent at the above address, withdraw the authorization and no further installations shall be made subsequent to the effective date of the termination as set out in the written notice.
2. The COMMISSION does not assume or undertake to discharge any responsibility of the applicant to any other party or parties and does not in any manner warrant or guarantee the correctness and/or the successful performance of the subject matter.

3. This AUTHORIZATION may be mentioned in promotional and/or advertising material, however, it is not to be used expressly or impliedly as an endorsement of any product, material, technique or design which is described herein.
4. This AUTHORIZATION is not transferable to any other party. If the APPLICANT makes any revision or change to the address or the materials, technique, design, system and/or use of the same shall automatically be cause for termination, unless prior approval is granted for such revision or change by the COMMISSION.
5. Construction and installation shall be in conformance to all applicable governing legislation except that compliance with the terms and conditions described herein shall be deemed not to be a contravention of the Building Code. Where applicable any change in the Act, Regulation or Code provisions shall be grounds for re-evaluation by the COMMISSION.

AND SPECIFIC REQUIREMENTS

6. Except as authorized herein all applicable requirements of the Ontario Building Code Act, Chapter 51, R.S.O 1980, Ontario Regulation 419/86 as amended shall be met. A valid copy of this authorization shall be attached to the application for a building permit and a similar copy shall be posted and maintained on the site of construction with the building permit.
7. The applicant shall be wholly responsible for the complete discharge of each paragraph of this authorization.
8. This AUTHORIZATION is subject to the terms and conditions of a current valid C.M.H.C. Building Materials Evaluation Report. Any conflict between the Ontario Regulations, C.M.H.C. Report or this AUTHORIZATION the most restricted matter shall apply.
9. The installation shall not be permitted at temperatures below freezing 0° (32° F) and shall not be used where prevailing environmental and weather conditions and moisture content exceeds 20 percent of the dry weight of the installed material.

10. The subject Blow-In-Blanket System may be used either in vertical or horizontal open cavities and held in place by nylon netting during installation.
11. The Blow-In-Blanket and netting shall be exposed to atmosphere for a minimum of 72 hours after installation to permit drying, no vapour barrier, drywall or other covering shall be applied during this time.
12. Subject matter shall conform to manufacturer's published installation instructions and shall be installed only by qualified applicators. All qualified applicators shall carry an identification card with their photograph and a statement by Ark Seal Inc. that the installer has been trained and is qualified in the installation of this Blow-In-Blanket System.

DATED at Toronto this 27th day in the month of SEPTEMBER in the year 1989 for authorization #89-5-122 amended on behalf of:



*This is a summary of the decision or authorization.
Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5*

AUTHORIZATION #89-6-123
BY THE 27 September 1989
BUILDING MATERIALS EVALUATION COMMISSION

IN THE MATTER OF Section 18 (4) (b) of the Building Code Act,
Revised Statutes of Ontario, 1980, Chapter 51

AND IN THE MATTER OF the Applicant:

Gang-Nail Systems Inc.
7525 N.W., 37th Avenue
Miami, Florida, U.S.A.
331592037

AGENT:

Gang-Nail Canada Inc.
725 Denison Street East
Markham, Ontario
L3R 1B8

ON THE SUBJECT OF:

"GNI-Beam[®]", these are I-shaped wood beams used for structural floor, ceiling or roof joists, beams, lintels, headers, blocking or rafters.

THE COMMISSION HEREBY AUTHORIZES to the applicant the use of the aforementioned matter subject to the following terms and conditions:

1. Where in the opinion of the COMMISSION negative experience indicates that this authorization should be amended and/or terminated, the COMMISSION may by written notice to the applicant or the agent at the above address, withdraw the authorization and no further installations shall be made subsequent to the effective date of the termination as set out in the written notice.
2. The COMMISSION does not assume or undertake to discharge any responsibility of the applicant to any other party or parties and does not in any manner warrant or guarantee the correctness and/or the successful performance of the subject matter.

3. This AUTHORIZATION may be mentioned in promotional and/or advertising material, however, it is not to be used expressly or impliedly as an endorsement of any product, material, technique or design which is described herein.
4. This AUTHORIZATION is not transferable to any other party. If the APPLICANT makes any revision or change to the address or the materials, technique, design, system and/or use of the same shall automatically be cause for termination, unless prior approval is granted for such revision or change by the COMMISSION.
5. Construction and installation shall be in conformance to all applicable governing legislation except that compliance with the terms and conditions described herein shall be deemed not to be a contravention of the Building Code. Where applicable any change in the Act, Regulation or Code provisions shall be grounds for re-evaluation by the COMMISSION.

AND SPECIFIC REQUIREMENTS

6. Except as authorized herein all applicable requirements of the Ontario Building Code Act, Chapter 51, R.S.O 1980, Ontario Regulation 419/86 as amended shall be met. A valid copy of this authorization shall be attached to the application for a building permit and a similar copy shall be posted and maintained on the site of construction with the building permit.
7. The applicant shall be wholly responsible for the complete discharge of each paragraph of this authorization.
8. This AUTHORIZATION is subject to the terms and conditions of a current valid C.M.H.C. Building Materials Evaluation Report. Any conflict between the Ontario Regulations, C.M.H.C. Report or this AUTHORIZATION the most restricted matter shall apply.
9. GNI-BEAMS shall not be used where prevailing environmental and weather conditions and moisture content exceeds 19 percent, they shall be used under dry service conditions and stored or protected to prevent excessive weathering.

10. GNI-BEAMS shall be handled during shipping, storage, installation and application in a manner to prevent bowing and damage. Damaged or defective GNI-BEAMS shall not be used or repaired.
11. GNI-BEAMS shall not support construction loads or support workmen during erection until the material is properly installed and laterally restrained.
12. The subject matter shall conform to manufacturer's published installation instructions and shall be designed, engineered, inspected and verified for each project by the architect or engineer (authorized in Ontario). All related documents and drawings shall bear the professional seal and signature of the architect or engineer skilled in wood design. The drawings shall show the applicable design loads and deflections.

DATED at Toronto this 27th day in the month of SEPTEMBER in the year 1989 for authorization # 89-6-123 amended on behalf of:



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

AUTHORIZATION #89-7-124
BY THE 27 September 1989
BUILDING MATERIALS EVALUATION COMMISSION

IN THE MATTER OF Section 18 (4) (b) of the Building Code Act,
Revised Statutes of Ontario, 1980, Chapter 51

AND IN THE MATTER OF the Applicant:

Gang-Nail Systems Inc.
7525 N.W., 37th Avenue
Miami, Florida, U.S.A.
331592037

AGENT:

Gang-Nail Canada Inc.
725 Denison Street East
Markham, Ontario
L3R 1B8

ON THE SUBJECT OF:

"GANG-LAM LVL[®] 3,100f - 2.0E, & 3,400f - 2.1E", these are
laminated veneer lumber panels used for structural beams, studs,
headers, truss chords or I-Beam flanges.

THE COMMISSION HEREBY AUTHORIZES to the applicant the use of the
aforementioned matter subject to the following terms and conditions:

1. Where in the opinion of the COMMISSION negative experience
indicates that this authorization should be amended and/or
terminated, the COMMISSION may by written notice to the applicant
or the agent at the above address, withdraw the authorization and
no further installations shall be made subsequent to the
effective date of the termination as set out in the written
notice.
2. The COMMISSION does not assume or undertake to discharge any
responsibility of the applicant to any other party or parties and
does not in any manner warrant or guarantee the correctness
and/or the successful performance of the subject matter.

3. This AUTHORIZATION may be mentioned in promotional and/or advertising material, however, it is not to be used expressly or impliedly as an endorsement of any product, material, technique or design which is described herein.
4. This AUTHORIZATION is not transferable to any other party. If the APPLICANT makes any revision or change to the address or the materials, technique, design, system and/or use of the same shall automatically be cause for termination, unless prior approval is granted for such revision or change by the COMMISSION.
5. Construction and installation shall be in conformance to all applicable governing legislation except that compliance with the terms and conditions described herein shall be deemed not to be a contravention of the Building Code. Where applicable any change in the Act, Regulation or Code provisions shall be grounds for re-evaluation by the COMMISSION.

AND SPECIFIC REQUIREMENTS

6. Except as authorized herein all applicable requirements of the Ontario Building Code Act, Chapter 51, R.S.O 1980, Ontario Regulation 419/86 as amended shall be met. A valid copy of this authorization shall be attached to the application for a building permit and a similar copy shall be posted and maintained on the site of construction with the building permit.
7. The applicant shall be wholly responsible for the complete discharge of each paragraph of this authorization.
8. This AUTHORIZATION is subject to the terms and conditions of a current valid C.M.H.C. Building Materials Evaluation Report. Any conflict between the Ontario Regulations, C.M.H.C. Report or this AUTHORIZATION the most restricted matter shall apply.
9. GANG-LAM LVL shall not be used where prevailing environmental and weather conditions and moisture content exceeds 19 percent, they shall be used under dry service conditions and stored or protected to prevent excessive weathering.

10. GANG-LAM LVL shall be handled during shipping, storage, installation and application in a manner to prevent bowing and damage. Damaged or defective GANG-LAM LVL shall not be used or repaired.
11. GANG-LAM LVL shall not support construction loads or support workmen during erection until the material is properly installed and laterally restrained.
12. The subject matter shall conform to manufacturer's published installation instructions and shall be designed, engineered, inspected and verified for each project by the architect or engineer (authorized in Ontario). All related documents and drawings shall bear the professional seal and signature of the architect or engineer skilled in wood design. The drawings shall show the applicable design loads and deflections.

DATED at Toronto this 27th day in the month of SEPTEMBER in the year 1989 for authorization #89-7-124 amended on behalf of:

This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

AUTHORIZATION #89-8-125
BY THE 27 September 1989
BUILDING MATERIALS EVALUATION COMMISSION

IN THE MATTER OF Section 18 (4) (b) of the Building Code Act,
Revised Statutes of Ontario, 1980, Chapter 51

AND IN THE MATTER OF the Applicant:

Safety-Glow Canada (1988) Ltd.
1290 Manulife Place
10180-101st Street
Edmonton, Alberta
T5J 3S4

ON THE SUBJECT OF:

Safety-Glow EXIT signs, models SSE or DSE, these are photo-luminescent signs which illuminates in darkness after exposure to light and may be used where external illumination is permitted by the Code.

THE COMMISSION HEREBY AUTHORIZES to the applicant the use of the aforementioned matter subject to the following terms and conditions:

1. Where in the opinion of the COMMISSION negative experience indicates that this authorization should be amended and/or terminated, the COMMISSION may by written notice to the applicant or the agent at the above address, withdraw the authorization and no further installations shall be made subsequent to the effective date of the termination as set out in the written notice.
2. The COMMISSION does not assume or undertake to discharge any responsibility of the applicant to any other party or parties and does not in any manner warrant or guarantee the correctness and/or the successful performance of the subject matter.

3. This AUTHORIZATION may be mentioned in promotional and/or advertising material, however, it is not to be used expressly or impliedly as an endorsement of any product, material, technique or design which is described herein.
4. This AUTHORIZATION is not transferable to any other party. If the APPLICANT makes any revision or change to the address or the materials, technique, design, system and/or use of the same shall automatically be cause for termination, unless prior approval is granted for such revision or change by the COMMISSION.
5. Construction and installation shall be in conformance to all applicable governing legislation except that compliance with the terms and conditions described herein shall be deemed not to be a contravention of the Building Code. Where applicable any change in the Act, Regulation or Code provisions shall be grounds for re-evaluation by the COMMISSION.

AND SPECIFIC REQUIREMENTS

6. Except as authorized herein all applicable requirements of the Ontario Building Code Act, Chapter 51, R.S.O 1980, Ontario Regulation 419/86 as amended shall be met. A valid copy of this authorization shall be attached to the application for a building permit and a similar copy shall be posted and maintained on the site of construction with the building permit.
7. The applicant shall be wholly responsible for the complete discharge of each paragraph of this authorization.
8. Installation and maintenance shall conform to the manufacturer's published specifications and installation instructions and a copy of same shall be supplied with each sign or group of signs to any one building.
9. (a) These Safety-Glow EXIT signs may be used in any new or existing buildings and shall be continuously externally illuminated while the building is occupied, and

- (b) the signs shall have red letters on a contrasting background or a red background with contrasting letters, and
- (c) the letters shall be at least 150 mm (6 in.) high and having at least a 19 mm (3/4 in.) stroke.

10. The continuous external illumination of these Safety-Glow EXIT signs shall be provided from an electrical circuit and that circuit shall:

- (a) serve no equipment other than emergency equipment, and
- (b) be connected to an emergency power supply as described in Sentence 3.2.7.3.(2) where emergency lighting is required in Sentence 3.2.7.3.(1) of the Code.

DATED at Toronto this ^{27th} day in the month of SEPTEMBER in the year 1989 for authorization #89-8-125 on behalf of:



This is a summary of the decision or authorization.

Further information may be obtained by writing to the Commission Secretary, 777 Bay St., Toronto, Ont. M5G 2E5

AUTHORIZATION #89-9-126
BY THE 21 December 1989
BUILDING MATERIALS EVALUATION COMMISSION

IN THE MATTER OF Section 18 (4) (b) of the Building Code Act,
Revised Statutes of Ontario, 1980, Chapter 51

AND IN THE MATTER OF an application by:

Merber Corporation Consulting Engineers
155 Gordon Baker Road
Toronto, Ontario
M2H 3N7

ON THE SUBJECT OF:

A window sprinkler assembly system to provide a two-hour fire resistance rated separation in a wall to consist of tempered or heat strengthened glass fixed in a non openable hollow metal steel frame or extruded aluminum frame and a special sidewall window sprinkler with quick response action.

THE COMMISSION HEREBY AUTHORIZES to the applicant the use of the aforementioned matter subject to the following terms and conditions:

1. Where in the opinion of the COMMISSION negative experience indicates that this authorization should be amended and/or terminated, the COMMISSION may by written notice to the applicant or the agent at the above address, withdraw the authorization and no further installations shall be made subsequent to the effective date of the termination as set out in the written notice.
2. The COMMISSION does not assume or undertake to discharge any responsibility of the applicant to any other party or parties and does not in any manner warrant or guarantee the correctness and/or the successful performance of the subject matter.
3. This AUTHORIZATION may be mentioned in promotional and/or advertising material, however, it is not to be used expressly or impliedly as an endorsement of any product, material, technique or design which is described herein.

4. This AUTHORIZATION is not transferable to any other party. If the APPLICANT makes any revision or change to the address or the materials, technique, design, system and/or use of the same shall automatically be cause for termination, unless prior approval is granted for such revision or change by the COMMISSION.
5. Construction and installation shall be in conformance to all applicable governing legislation except that compliance with the terms and conditions described herein shall be deemed not to be a contravention of the Building Code. Where applicable any change in the Act, Regulation or Code provisions shall be grounds for re-evaluation by the COMMISSION.

AND SPECIFIC REQUIREMENTS

6. This window sprinkler assembly system shall be designed, engineered, inspected and verified by a fire protection Professional Engineer (authorized in Ontario) and a document of certification by the Professional Engineer with stamp shall be forwarded to the Chief Building Official and the Building Owner(s).
7. The sprinkler system shall be installed and tested in accordance with N.F.P.A. 13 as a wet pipe system and maintained in accordance with Section 6.5 (sprinkler) of the Ontario Fire Code.
8. The special designed sprinkler head shall be designated as a horizontal sidewall window nozzle, Grinnell Canada Fire Protection Company Limited model FR-1/Q-60, 12.7 mm (1/2 in.) orifice, 74°C (165°F) activation temperature quick response link. The optimum position of the sprinkler head shall be as determined by the tests submitted by National Research Council Canada.
9. The interior glazing shall consist of one sheet of fixed non-operable tempered or heat strengthened glass installed in a hollow metal steel frame 1.35 mm (16 gauge) minimum thickness or extruded aluminum 1.8 mm (1/16 in.) minimum thickness. The maximum glazing shall be 2134 mm (7 ft. 0 in.) wide by 2844 mm (9 ft. 4 in.) high and minimum 6 mm (1/4 in.) thick.

10. 1. This window sprinkler system may be used in either a sprinklered or unsprinklered building to protect non openable window openings to a maximum of 2 hr. fire resistance rating provided,
 - (a) in an exposing building face or exterior spatial separation the window sprinkler is installed on the interior side of the window, or
 - (b) in an interior fire separation the window sprinkler is installed on both sides of the window in the fire separation.
11. Interior or exterior installations may be made in all types of occupancies except Group F, Division 1 and shall not be used in a firewall. Should the system be located in a loadbearing wall, all loadbearing components shall be protected independently of this window sprinkler assembly system.
12. This window sprinkler system shall not be used in exits as defined in the Ontario Building Code.
13. This horizontal sidewall window sprinkler system shall be served by either a separate riser or separate cross main independent of any regular sprinkler or standpipe system serving the floor area.
14. Separate flow switches or alarm check valves and supervised control valves and each fire compartment on each system shall be electrically supervised and indicated separately at the fire/sprinkler alarm annunciator panel.
15. Where the water supply is from a standpipe system conforming to the Code, the siamese connection shall be labelled as per the standard except for this dual purpose which shall read "STANDPIPE AND WINDOW SPRINKLERS".

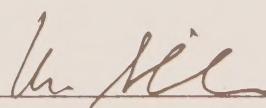
16. A noncombustible sign legibly printed in not less than 12.7 mm (1/2 in.) block letters with contrasting white background and red letters shall be permanently mounted and maintained beside the main water supply source to this window sprinkler assembly system to indicate:

WARNING

SPECIAL SPRINKLER HEADS ON THIS SYSTEM
ARE AN INTEGRAL PART OF WINDOW FIRE
SEPARATION. THIS WATER SUPPLY MAY
ONLY BE SHUT OFF AFTER ALL THE PROPER
AUTHORITIES HAVE RECEIVED NOTICE IN WRITING.

DATED at Toronto this 21ST day in the month of DECEMBER
in the year 1989 for authorization # 89-9-126
on behalf of :

BUILDING MATERIALS EVALUATION COMMISSION



M. Shirlaw, Chairman

3 1761 114701162

